

	Number	Name	Dates of recorded visits	Easting (m)	Northin g (m)	Altitude (m)	Bearings	Location	Length (m)	Depth (m)	Cave Description	References
Area 4												
/	1/4	Pozu de la Roca Naranja		344655	4789878	1860		The entrance of 1/4 is to be found by heading due North from the Ario bowl and climbing the ridge between Cabeza Julagua and Cabeza del Covu. From here the cairned path to Culiembro is followed for approximately 500m until a large depression is reached on the left of the path, with a very prominent orange rock in the bottom. The cave entrance is in the North wall of the depression almost immediately above a 5m cleft.	355	162	see Ref.	Proc. 13
X	2/4							Located on the rim of the same large depression containing 1/4 (the depression is easily recognised by the large orange rock within it) approximately 20m further around the rim of the bowl.			A 2–3m climb down to a too-tight rift down which dropped rocks will rattle for several seconds. NOT diggable.	
X	3/4							Located 200m south-west of 1/4			A 10m pitch choked at its base.	
X	4/4							To the right of the route down to 1/4.			A 10m pitch to a too-tight rift.	
/	5/4		1991				294 Julagua	40m south-east of 7/4 in 10m diameter shakehole. A 16m pitch to a snow plug.			Large shakehole with a wedged boulder (small rocks can be dislodged from behind this onto the pitch). 15m pitch lands on a snow-plug with a steeply sloping rift heading NW. A climb and ladder leads to more rift with a perched lump of snow. Pitch drops 20m. To NNE a small stream passage leads off but it is too small to follow. Digging here would be very time consuming. To NW three more shafts connect from above, presumably 7/4	Proc. 14
X	6/4			344817	4789491			Located in the same velley as 5/4			A narrow free-climbable rift chokes about 10m down.	
X	7/4		1991	344768	4789469			Cross the Cabeza Julagua – Cabeza Covu ridge, and following the valley down to a large bowl with a prominent tree in a cliff (bearing of 297 ° to Cabeza Julagua). 7/4 is 40m south-west of this tree and 100m south-east (down valley) from 9/4.			Boulder slope with 2m free climb leads to a chamber with no way on.	Proc. 14
X	8/4		1991					75m from tree on bearing of 12 °			A squeeze through a low rock arch leads to two 10m pitches which end in a choke.	
/	9/4		1991 2013	344721	4789525			30m from tree on bearing of 335 ° , in cleft. Northwest of 7/4. Marked SIE unfinished.			At base of 10m entrance shaft, two shafts lead on. The left hand shaft is about 25m deep and completely choked at the bottom. The right hand one is about 8m deep and partly climbable although a ladder is recommended. At the bottom 3m climb down to the head of 15m pitch, rigged from a thread, which lands on a snow plug. At the bottom a bolt gives a 6m descent, with a squeeze past a second snow plug, onto third snow plug. Beyond the snow plug is a 6m climb down to a choked crawl. Most of the snow had gone by 2003.	see 2003 Expedition report, Proc. 14
X	10/4		1988 2003	344845	4789414	1553		Located over the ridge from 5/4, in a green depression. Small hole between boulders in valley floor marked SIE O				see 2003 Expedition report
/	11/4							Upslope from 10/4, marked SIE 1 ⊗			Descends about 20m, free climbable with care, to a snow plug. Near the bottom a slot on the left might be passable by a determined team with chisels, but doesn't look very promising.	Proc. 14

/	12/4	Cueva Corroble	1989	344785	4789147			In the col between Cabeza el Verde and Cabeza Llabria, in the south-east facing cliff, to the right and about 30m down from the col. Called 'Cueva Corroble' on some mapping applications.			A 10m diameter phreatic tube leads to a pitch. This is divided into two connecting shafts. The smaller of the two is 12m deep and lands in a boulder floored chamber with several possible ways on. To the right, downslope, are a bedding plane crawl, which quickly closes down, and a tight rift which was not explored. To the left, down slope, is a climb to a small passage which quickly closes down. Adjacent to where the ladder lands is a climb up to a small passage, which needs enlarging, but the passage seems to bell out beyond the constriction. At the bottom of the boulder slope a climb up (about 15m) to a visible passage was not attempted. From the top of the shafts, a squeeze past calcite opens out above the chamber. This is probably the same as 48/4.	
X	13/4		1991					30m below the lowest ridge above the depression of 5/4. Insignificant partially choked cleft in cliff facing gorge (roughly north-east).			Small pit contains animal remains, with rattling drop under boulders. No draught.	
X	14/4		1991					Crawl-in entrance above 13/4, going up-valley, at top of small cleft in cliff.			Chokes.	
X	15/4		1988 1991					Unnumbered shaft, by 7/4, marked OUCC 88 ⊗.			8m free climb down shaft, with no way on.	Proc. 14
X	16/4		1991	344700	4789518			In the right hand side of the valley containing most of the caves in area 4 is a visible cleft, which continues to the top of the valley; in the base of the bowl the cleft contains 9/4 and a small undescended shaft on the left-hand side of the valley.			20m entrance pitch (spike, 2 bolt Y-hang, 2 deviations) lands on snow on a flattish floor. Ignoring the choked phreatic tube, there is a crawl over a stony slope into a chamber, filled at the bottom by a loose mud floor which 'sumps'. Traversing round to the right, through a window leads into another chamber. The write-up says: "It gets more complicated. See survey". Unfortunately no survey is included. Ends up in a 20m rift, which bells out. Other routes are possible at higher levels.	Proc. 14
X	17/4		1991					15m north-east and upslope of 5/4.			5m sloping rift leads to impenetrable choke.	
X	18/4		1991					Open entrance down valley from the first green depression over ridge east of 5/4, with picturesque Pozu arch.			Chokes. Possible dig, but no draught.	
X	19/4		1991					Hole in north-west face of depression just before the valley becomes steep.			Chokes.	
X	20/4		1991					Rock shelter in left wall of shattered valley north of 19/4 just below tree.			Chokes.	
X	21/4		1991			~1465		Entrance in small rock buttress at end of valley depression before valley becomes very steep.			Short passage chokes.	
X	22/4		1991			~1435		Rift entrance in shattered depression as valley becomes very steep.			Passage leads for 10–15m past a snow plug to a choke. Passage leads up to the right for 10m to a choked inlet.	
X	23/4		1991				139 top spire of right hand group of Central Massif	In valley notch overlooking steep section down to Culiembro, south-west from 22/4.			Dual pitches of 6 and 8m. Choked.	
X	24/4		1991					In wide rock cleft, running down valley overlooking Culiembro, just before depression containing 22/4 and 23/4.			8m choked shaft.	

X	25/4			344945	4789544			In the bottom of the valley running parallel to Covu–Llambria ridge at the bottom of a big cleft under Verde(?). Big walk-in entrance in right of valley over lip from 5/4.			Chokes.	
X	26/4			344902	4789430			150m south-east of 5/4 high up on a bank. A goat shelter with water resurging from the entrance.			Chokes.	
X	27/4			344393	4789754			5m to the right off the Culiembro path, 5 minutes over the Julagua ridge. SIE-marked shaft with beech tree in entrance.			Yorkshire style shaft with trees in top. 15m pitch to rock-filled rift. Faint draft issuing from 3 inch crack at far end.	Proc. 14
/	28/4		1993 2007	344861	4789274			Head East from Cabeza el Verde along a gulley which rises up and then dips down again towards a shakehole. Level with this shakehole to the right of the gulley is the entrance (hidden from view from this approach).			Entrance shaft (P7,P19) drops into chamber. Climb down through slot into large chamber. Inlet to right leads to moonmilky area. Straight ahead leads to crawl through boulders down to 4-way junction (Wobbly Rock Junction). To left is a crawl leading to a chamber. Climb over boulders to where rift narrows down: first lefthand bend is passable to wider section but this needs widening in order to turn over for the next right-hand bend. Straight ahead from Wobbly Rock Junction a tube descends to 3m drop into a chamber, the start of the SIE Route. Rift to the left closes down. Main route leads to 9m climb down to slot which is the top of the third pitch (P8), fourth pitch follows immediately (P11). At the bottom the rift becomes too narrow. To the right from Wobbly Rock Junction, a crawl, with holes connecting down into SIE route leads into a flat area of breakdown, ending in a blockage with an enlargement — and a bone — visible beyond.	see Expedition reports 1993, 2007; Proc. 14
/	29/4		1993 2006	345016	4789308	1557		To the east of Cabeza Verde is a collection of interconnecting bowls. On the rim between the largest bowl and the next one to the northwest is a 15–20m shaft, with a perched boulder above. Just across from 30/4. Faded SIE mark.			A 10m shaft drops onto a rocky floor. A man-sized hole drops down another 5m to a chossy slope leading down to a 10m pitch. The draught goes into a horizontal 4" slot which appears to turn vertical a little further in. Does not look hammerable. A large rift going back towards the first pitch goes for about 20m to a boulder-choked aven	Proc. 14
X	30/4		1993	344906	4789437			20m from 29/4 and lower down. Marked SIE 3⊗.			7m pitch, ends in a moonmilky boulder choke. Also recorded as 44/4	Proc. 14
X	31/4		1993 2002 2023	344613	4790020			Follow Culiembro path to 1/4, and then skirt round about 30m away from the bowl to pick up another path running up and down the hill. (Don't follow too close to the bowl as this leads to a shear drop overlooking the cave.) Uphill on the left (true right) is an 8m diameter walk in entrance.			Appears to have two ways on, but to the left ends immediately. To the right a climb leads to an 8m high, 2m wide draughting fossil passage. However, after 20m this promising lead meets a mud floor with no way on. Boulder moved in RH choke in 2023 to find route down to visible space, but this only lead back to the entrance.	Proc. 14, Expedition Report 2023.
X	32/4		1993					Downhill from 31/4 is a double bowl. On the ridge between them, at the side nearest the path — but invisible from the path — is a 4m diameter entrance.			No way on.	Proc. 14
O	33/4		1993					Over the ridge to the north of 31/4 is a 40m diameter shakehole. On the far side is a shaft, just above the path.			Undescended, could not be located in 2023	Proc. 14, Expedition Report 2023.
X	34/4		1993					West of 28/4			5m free climbable shaft leads to chamber with no way on.	Proc. 14
O	35/4		1993			1420	070 Big Brown Boulders	In the next valley left (NW) of 31/4 just above where a subsidiary valley joins from the left. The valley continues down to the pasture with the big brown boulders.			An unlikely looking rift in the rock on the right of the valley, marked by a cairn by the entrance and another cairn above, and tagged as 34/4 (whoops!). Just round the corner is a shaft of maybe 30m.	Proc. 14

X	36/4	Pozu de la Garma de Joulagua	1993					Two adjacent holes (larger 0.5m by 2m) in slab just east of summit of Cabeza Julagua. Small, faint red paint marking by SIE.			5m climb down to bouldery floor. No way on.	Proc. 14
X	38/4		2006	344250	4789732	1682		About 100m from main col into Area 4, on bearing of 20 ° . Slightly higher than the cairn above the col, just below a rocky local maximum on the ridge.			3m entrance pitch between boulders lands on a sloping chamber floor. A 10m clamber down to wider chamber section leads to comprehensive breakdown with no way on. Cave links with a small aperture to left of primary entrance.	
X	39/4		2001	344285	4789634	1510					2 concealed slots in rock slope, about 3m apart. Climb down to rift 9m pitch followed by 25m pitch. Tight slot leads to 5m climb down to a small chamber in hard limestone/crystals. Way on goes under the pitch; immature passage, too tight to follow, with no sign of widening.	
/	40/4		2001	344270	4789639			1m diameter hole up slope from 39/4.			5m climb to small chamber. Body-sized hole down for further 5m, then rocks fall for 10-20m. Floor diggable to enter rift. Good draught.	
/	41/4			345061	4789652						Very narrow slot. Strongly draughting, but needs widening (chemical persuasion?).	
X	42/4			345078	4789654						Choked.	
X	43/4			344918	4789570						Choked.	
X	45/4			344834	4789660			Possibly diggable rift off to the right of ridge down from Julagua opposite Covu-Verde-Llambria.			Looks rubbish. This might be the same as 18/13.	
X	46/4			344822	4789722						15m shaft with a tree growing out of it. A wide rift off to the right carries on, descending about 4m, before reaching a 1m drop into a choke.	
X	47/4			344837	4789651						Up-sloping, crawley cave, enters along a ridge under a small tree. Chokes after about 6m.	
O	48/4			344826	4789635						Undescended. This is probably the same as 12/4. [coordinates suggest not?]	
/	49/4			344581	4789747			Right hand side of orange rock bowl, opposite 49/4, 10m down and across from what looks like an obvious entrance but is blank.			Goes up to a squeeze which has not been pushed.	
X	50/4			344513	4789765			Obvious walk-in entrance on the left hand side of the orange rock bowl.			4m climb up hits the roof. Dead.	
/	51/4			344721	4789526			10m north of 9/4.			A small hole in the side of a shakehole, going 6m down into a small chamber. A crawl leads of into another chamber, but needs digging/hammering.	
O	52/4			344777	4789549						A large hole in the ground with a big bush in the bottom, about 3m down. Full of scree at the bottom. Doesn't look very promising, but you never know!	
X	53/4			344381	4789795							
/	54/4	Pozo Julagua (Pozo Tormenta)	2001-03	344536	4789725	1540		Pozo Julagua is located over the Julagua - Covu ridge from the Ario bowl. Follow the cairned path which runs from Ario and along a ridge to the East of Julagua. On the left is a large valley with a big startlingly orange boulder in the bottom. A little further along the path, and a 3 metre diameter goat shelter can be seen on the left hand side of the valley (looking down). Pozo Julagua lies in the middle of the valley about 5 metres higher than the goat shelter. It is a strongly draughting vertical slot in the grass, about 1m x 50 cm.	3939	721	See Refs.	OUCC Expedition Report 2003

X	55/4			344510	4789755			Just above 50/4			30m blind shaft with puddles in the floor.	
X	56/4			344553	4789980							
X	57/4							5m climb down opposite 31/4.			Goes nowhere.	
O	58/4							Head towards 31/4, but turn off to the right into a large bowl opposite it. On the far side of the depression is a 5m diameter, 5m deep free-climbable shaft.			At the bottom, a man-sized cleft is visible to a horizontal passage leading to the left and right. No draught.	
O	59/4			344697	4789886			Directly on top of col to the north of the orange rock valley, and just to the right of the path on the way to Chicago.			Shaft which seems about 10m. Accessible, so worth dropping.	
O	60/4		2006	344981	4789318	1562		30m west of 29/4. On far side of shakehole from 29/4.			10m pitch to wide-spanning boulder floor, past which rocks do not rattle at any of several points.	
X	61/4	Asopladeru la Texa	1985 1995-98 (SIE) 2008-9	345138	4789671	1370		Large rectangular entrance, 4m high 3m wide, facing north-east towards La Pena (rock between Oston and the gorge). Enormous draught creating flow of white mist out of entrance.			see Ref.	see Expedition reports from 2003, 2005, 2008, 2009
O	62/4			344890	4789725						Low entrance with nettles, downwards slope, gentle draught.	
X	63/4			344924	4789815						Choked entrance which forks but ends after 2m climbs in both directions.	
O	64/4		2004	345090	4789633			Described as just uphill and to the north of 23/13, but that doesn't fit with the GPS coordinates: maybe the reference should be to 67/4?			A 10–15m shaft in shakehole, with no bottom visible. Inhabited by a pair of nesting birds (2004)	
X	65/4	Billy Goat's Lair	2004	345231	4789596			Wide goat shelter in base of cliff facing north, with drips falling from cliff above and trickling in.			Chokes after 5m or so all along its length. Home to a large and magnificent longhaired and longhorned billy goat which looks like it's escaped its pastor (2004)	
O	66/4			345070	4789619			Not La Texa. Large rectangular entrance, marked SIE 86 Completed, about 20m higher up the hillside from La Texa.			No detectable draft.	
O	67/4		2004	345078	4789619			A strongly drafting choke in a rift in the hillside overlooking La Texa.			Rocks dropped through holes in the choke rattle for several seconds, and it is easily diggable; would probably take less than half an hour.	
X	68/4		2005					About 20m above Asopladeru la Texa			Entrance shaft rigged off large natural and bolt, about 15m deep. At the bottom is a small, strongly-draughting hole leading to a too-tight rift.	
X	69/4		2005					Further up than 68/4, a crack in the cliff.			Handline climb down into cave. Closes down quickly.	
X	70/4		2005					Two holes in floor, near 69/4.			The two holes connect at the bottom of their entrance pitches. A too-tight window looks through into tight passage.	
X	72/4		2005	344261	4789622	1508		Near 39/4			Small enlargement in rift. Free climb about 4m down. Very small rift heads off. No draught.	
O	73/4		2005	344856	4790043	1467		Near Pozu Chicago. At the back of an indentation in the north-eastern facing steep slopes leading down towards Oston, Canal de Culiembro and the Cares Gorge. To reach the cave take the Oston path past the Roca Naranja depression, then contour left at about 1450m. The left hand wall (looking out) of the indentation has rillenkarren, and there is a small stone cairn in front of the NE-facing entrance.			A vertical slot.	
X	75/4		2006	344251	4789367	1672		From the ridge above 38/4, head towards large bowl to north but deviate left into smaller bowl. Large entrance accessed over substantial breakdown at foot of the bowl. Coordinates do not appear to match description.			10m pitch descends through rift into 8x1m chamber. 2m climb down continues, doubling back below entrance, but this closes down almost immediately.	

/	76/4		2006	344808	4789343	1584		In the highest of a line of depressions, north of Cabeza Llambria.			Large, walk-in entrance and smaller entrance unite in large chamber used as sheep shelter. Stoop leads to off-shoot containing an undescended climb.	
/	77/4		2006	344950	4789299			Heading east from Cabeza Verde and skirting north of Cabeza Llambria, drop north onto ridge between two shakeholes. The entrance is a NNE-facing cleft, not visible from above.			Entrance shaft (P8) lands on sloping boulder ledge and continues at north end (P18), dropping into circular chamber of 3m diameter. Short traverse through rift passes over narrow hole beneath an oval window before second hole (P6) drops into another chamber. Climb through window 2m above chamber floor passes into boulder-choked chamber. Crawl below large central boulders leads to 4-way junction. 10m low crawl to left drops into chamber, leading via brief climb into second chamber with very tight but potentially passable rift. To right from 4-way junction, hole after 2m crawl (C5) drops into chamber that connects back up with central route of 4-way junction via very narrow climb. Climb down from chamber into streamway pot of white rock intersects rift that passes via drafting narrow slot over undescended 5m pitch.	
X	78/4		2008	344937	4789727			NW -facing cliff just above steep crag.			Constricted entrance with sharp rock leads to a 2–3m climb down to a pebble–floored chamber, covered in snails. A number of too-tight passages lead off the main chamber.	
X	79/4		2008					About 15m NE of 78/4			1m wide, low entrance leads to a flat pebble-floored chamber, about 1.5m high by 2–3m wide. A number of other ways to the surface lead out. No obvious routes further in to the cave.	
/	80/4		2008	345089	4789779	1431		Slot, 15m long, running N–S with a rock bridge in the middle and a tree growing out of north end of slot on east side.			2–3m wide, about 10m deep. Possible continuation at south end of slot.	
O	81/4		2008	345130	4789758	1400		3m round hole on limestone pavement underneath overhang.			Not investigated due to smell of rotting fleesh. Looks and sounds like it might go. [really!]	
/		Sima de la Chapa	2010	344906	4789684	1492		Cross the ridge to the east out of the Ario bowl then descend to and follow the ridge running east. At the bottom of the ridge is an obvious rock arch. Go straight ahead following an indistinct path over the next lump and then descend into the next valley. Descend the valley for a few tens of metres to a rock platform. Continue down the right hand side of the valley for about 10m to just before it becomes very steep. Then traverse left to the entrance, a cleft in the rock, not visible from above.		180	See Ref.	OUCC Expedition Report 2010
O	82/4		2006	344218	4789750			Over the Cabeza Covu – Julagua col NE into Area 4. From the ridge above 38/4, travel 100m NW to a rift on a vertical faultline. Below the peak rising above the col.			1 to 2m wide entrance rift appears to be 10m deep. Rocks rattle no further than this and there is little draught.	
X	83/4		2023	344257	4789877			Obvious hole in a large bowl, 10m entrance pitch.			10 m pitch ends in totally choked rift, no way on, no draught.	Expedition report 2023

Area 5

X	1/5	Pozu del Xitu	1979-81 1993 2001 2011-14	343459	4789232	1652		From the view indicator, follow the path towards sod 4 for 100m. Xitu is the large cleft 50m to the left of this.		1135	See Refs.	OUCC Procs. 10, 12; Expedition Reports 1993, 2001, 2011-14.
X	2/5			344094	4788984			An obvious hole in a shakehole near the Ario – Jultayu path, about 10 minutes from camp, opposite 3/5.			A slippery 3m entrance climb leads to a ledge above a 14m pitch (2 bolt belays). At the bottom is a small chamber with a large snow plug. A crawl under boulders leads to a second 15m pitch (natural belay), landing in a small chamber with no way on. Water sinks into a 5cm wide rift in floor of final chamber.	Survey in Proc. 10
X	3/5	Pozu los Caracoles		344093	4788970			About 2m to the left of the Trea path, about 10 minutes from camp, opposite a large shake-hole (2/5). A small pit from which a sharply descending rift leads off.			Another entrance into the Xitu system.	See Proc. 12
X	4/5							A large, obvious pothole about 20m deep in a small valley between two limestone outcrops.			Chokes	
X	5/5		1987					An obvious 4m × 4m hole in the bottom of a dry valley, on the south-east side of the Jou La Cistra.			Can be descended for 5m to a small snowplug. Revisited in 1987 and a small tube at the bottom was dug out, but the rift revealed was too tight. Probably connects with La Prevista de Santa Dominico in 12/5.	
X	6/5			344081	4788957			Behind 3/5			A 2m wide, 8m deep rift which seems to be a continuation of the rift in 3/5. The rift chokes at all levels a few metres in.	
X	7/5			344159	4788759						A narrow rift with a boulder floor that diverges into two tight passages a few metres in. The left hand passage is too small for humans and the right one chokes almost immediately.	
X	8/5	Cheese Cave						About 100m South-East of camp, at the base of a small cliff in a dry, rocky valley. The entrance is covered with boulders to keep sheep out and the first crawl is occasionally used as a shepherd's cheese store.			Removing the largest boulder allows a legs first squeeze into a crawl past foul smelling cheeses, which emerges into a rift containing the first pitch of 10m (wedged boulder for belay). The second pitch (20m) follows immediately and is a nice free hang (two bolts). At the bottom, an awkward climb down is followed by a section of wider, more spacious rift which soon narrows down. Another 5m climb down into the rift leads to the top of the third pitch (15m, natural belays). The rift chokes at all levels 100m beyond this.	Survey in Proc. 10
X	9/5	Colin's Calamity		344139	4789020			About 100m North-East of 3/5. A small, unobtrusive hole in the ground on one side of some small hillocks.			The 7m entrance pitch lands on a small pebble bed sloping into a small passage. The only possible way on rapidly becomes too tight.	
X	10/5			344120	4789091			150m South-East of camp, a large, obvious pothole about 20m deep in a small valley between two limestone outcrops.			The bottom of the shaft chokes, but halfway down a ledge gives access to a number of passages. Behind the ledge, a rift can be followed for about 10m until it becomes too chossy and tight. Along the ledge gives a short crawl to a choke. Traversing across the shaft gives another tight crawl which chokes after 10m.	
X	11/5		2022	343406	4788633						A shaft 22m deep (35m rope, 2 natural belays). A number of parallel shafts join up underground, but no way past the snow could be found. Maybe worth digging out. Worth another look.	
X	12/5	Pozu la Cistra	2001	344169	4788762			To the left of the Jultayu path, about 100m before the junction with the Trea path, below a small cliff.			Another entrance into the Xitu system.	See Proc. 12

X	13/5			344199	4788751			Below and to the right of 12/5.			A narrow 7m deep rift which widens at the bottom. Chokes rapidly at all levels.	
X	14/5							A small chamber in boulders in the rift containing 10/5.			"A choke leads into the 10/5 shaft, but this self-destructed when John tried to get in."	
X	15/5			343946	4789187			100m South-West of camp, although eating Mornflakes makes it seem further.			Twin 11m shafts in bare limestone. Used as the camp toilet until about 2011	
X	17/5							400m South of the viewpoint, overlooking Jou La Cistra.			A small entrance that terminates within a few metres.	
X	18/5							Near 17/5. Entered via a rift running South-West.			A 12m pitch beneath a spectacular rock bridge leads down onto a snow plug. The rift divides into two small passages that choke immediately.	
/	19/5			343406	4788634			Near 17/5.			A spectacular entrance consisting of an 8m shaft which connects with a rift running North-West – South-East. The shaft can be climbed with care to a snow plug from which two ways on are seen. The left-hand one is a steeply sloping passage leading to a junction a few metres on. To the right quickly becomes too tight; to the left ends in a small chamber with a boulder floor, through which another chamber, about 2m high, can be glimpsed. Returning to the snow plug, the rift may be followed down the snow for about 5m, where the passage ends in a pebble bed where the roof closes down to floor level. A line is essential for a safe ascent of the snow plug.	
X	20/5			343684	4789183			Near the signpost on the way to Xitu.			A small hole emerges in a tiny chamber after 4m. From here a 10cm rift leads off.	
X	21/5			343958	4788949			Near the northern edge of Jou La Cistra. A crack which is virtually indistinguishable from the clints and grikes around it.			20m pitch emerges via a slender aven with an alternative horizontal entrance. Climb down leads to two small chambers. One can be climbed to a small aven, at the top of which a small crack of light is visible.	
X	22/5							Two intersecting rifts in an area of heavily shattered and jointed limestone.			A 9m pitch lands on a snow plug.	
X	23/5		1987					In a small, unpromising hole facing south.			Those with large hips will find it easier to approach the entrance slope feet first and on their backs, but should be aware of the 2.5m drop into a rift. The rift slopes gently eastwards away from the main Ario depression and many small roof collapses impede progress. After 50m such a fall effectively blocks the rift, although various small holes may lead on. Revisited in 1987 and surveyed, but no way on found.	
X	25/5			343948	4789110			100m South of 15/5. A large, open shaft 8m deep, 8.5m long and 2m wide.			Passage quickly leads to a boulder choke.	
/	26/5							Horizontal slot 1m by 0.3m.			Descent leads to an earthy rift inclined at 45° ending in a 10m pitch. At the bottom is a small chamber containing a narrow vadose trench 20m deep with a small stream at the bottom. Descent is only feasible in one place, and the trench is allegedly too narrow to follow, but might be worth a look if you can find it.	
X	27/5		1980 1992				040 top of hill above Xitu col 075 Cabeza l'Covu 234 Gustuteru	Opposite Xitu, 500m distant and out of sight of the refugio on the slopes of Gustuteru. A large doline full of shattered rock, marked OUCC 80.			Leads to two choked holes which were originally described as emitting a strong draught. However, there was no sign of any draught in 1992. Doesn't go at all.	Proc. 14

/	29/5		1980 2011 2013	344381	4788681	1520	From the junction of the Trea and Jultayu paths, follow the Trea path for about 20m until a smaller path leads off to the left. Cut diagonally left across the valley ahead, to join a well marked path on the other side. Follow this for a few hundred metres, to an obvious shaft on the right, with a tree growing out of one wall.			15m entrance shaft lands on a boulder floor, from where a short passage to the left leads to the top of a 37m pitch. Descending the pitch to the bottom, leads to a large rift, which ends at a muddy pool. Penduling right, 20m down the pitch, leads to a further 5m drop into a small chamber, the 1980 limit. From here two very narrow rifts lead off. The right hand one was hammered, and the first squeeze passed, to another squeeze; at the bottom of the rift is Lev's capping rod. Both rifts seem fairly deep and draught slightly.	See Proc. 10,13. Expedition reports 2011, 2013.
X	30/5	Red Circle Cave					Directly behind where the big tent is normally pitched. Named after the SIE red circle outside the cave. Entrance is a stoop under a pile of boulders.			Chamber with a hole in the floor 5m deep leading to a rift, both ways becoming impassable. A second entrance of a 5m climb enters in the chamber.	
X	32/5						Below 12/5			A tight, T-shaped passage. Gets worse.	
/	33/5		1987	343440	4789662		On the Northern slope of Cabeza Forma. Marked "OUCC 87" in red.			A large open pot, 25m deep, previously ending in a snow plug. A smaller surface shaft connects with the main shaft about 10m down. A tiny hole in the secondary shaft continues for 10m to a mud choke.	
X	35/5						A dig under a cliff above 39/5.				
X	36/5						Above 5/5 in the Jou de la Cistra.			10m pitch leads to steep slope and rift decorated with formations. Too tight.	
X	37/5						To the South of the Trea path on the slopes of Jultayu			4m free climb leads to 15m pitch. Chokes.	
X	38/5						Near to 37/5.			A large chamber with tiny rift leading off.	
X	39/5		1987				A 50m shaft marked SIE 86 ☒, below 12/5 on the slope down to Trea.			Choked	
X	40/5		2019	344273	4789091	1464	Located in the left hand wall of a small side valley at the top of the Valle Extremero.			A climb over a large boulder leads to a network of phreatic passages and another entrance inaccessible from outside.	
X	41/5						10m up valley from 40/5.			Tight rift closes down.	
X	43/5		1988				Valle Extremero			20m free climb with squeeze at the top, becomes too tight.	
/	44/5		1988				10m below 43/5			A 10m pitch to a too-tight vertical rift behind a dead sheep (1988). Draughts strongly; stones rattle down merrily.	
X	45/5		1988				Next to 43/5			10m pitch, choked.	
X	46/5		1988				Above 44/5.			13m pitch, choked.	
X	48/5		1988				In the Valle Extremero			30m pitch to snow plug, no way on.	

X	49/5	My Little Rabbit Hole'					169 Jultayu 225 Verdelluenga 064 Julagua	Located 400m from the Ario camp on a bearing of 210 ° , on the Ario side of a large depression.			A mud slope leads to a 10m pitch. A squeeze leads into a 1m diameter phreatic tube with a vadose rift below it. A few metres beyond the squeeze it is possible to climb down 6m to the base of the rift, but no further progress is possible as the rift is too tight. Continuing along the phreatic tube it is possible to make progress for a further 50m or so to where the going becomes a bit awkward. Further progress may be possible by a more determined team. About 20m from the squeeze a three way junction is met. Straight on (130 °) is the continuation of the phreatic tube already mentioned. To the left are two small chambers both too small to enter and one of which contains a small inlet. Just prior to the threeway junction is a narrow T-shaped passage. After a few metres it is possible to climb down to the floor of the passage 6m below. This passage contains a small stream. Downstream flows into the vadose trench of the main passage, but quickly becomes too tight at all levels, at a point where there is a 5m aven probably below the threeway junction. In very wet weather the sound of water can be heard beyond the present limit of exploration in the main phreatic tube, so this may be worth another visit.	
X	50/5		1989					Follow the Trea path from camp until it turns sharp left where it meets a green valley. At this point turn right to follow the green valley away from the path. After about 30m two cave entrances will be seen on the left; the first is 51/5 and the second is 50/5.			A tricky 5m free climb (best ladderred) lands in a small chamber with two ways on. Both routes rejoin at the top of a pitch into a second chamber with no way on. From the smaller of the two routes to the pitch a small climb (2–3m) lands in a passage connecting with 51/5.	
X	51/5		1989					Located a few metres closer to the Trea path than 50/5.			Easy climb to a chamber, a low arch at the lowest point of the chamber provides a 1m climb into another small chamber. A passage back under this climb eventually connects to 50/5. (Neither 50/5 or 51/5 were marked).	
/	52/5		1989					An unmarked shaft near 15/5.			Boulders were removed from the entrance to facilitate entry to a 2m free climb down past unstable boulders to a tight rift. The rift seemed to close down around the first bend, but no attempt was made to verify this by actually entering the rift.	
/	53/5	Cueva de la Rana	1989 1991 2019 2022 2023	344609	4788907			The cave is located in the Valle Extremero. A large valley comes down from Jultayu to meet the Valle Extremero, just above a small pond. The cave is an obvious large entrance directly above the pond, in the right hand side of the valley.			The howling gale in the entrance can be followed upstream through a series discovered in 2022. Downstream a small series explored in the 1990's descends a couple of pitches, and becomes too tight. (see Refs.)	Expedition Reports 1991,1994, 2022, 2023 Proc. 14
X	54/5		1989 2019	344547	4788983			A phreatic tube overlooking 53/5 (visible from 53/5 when looking back towards the Ario camp).			This cave consists of an upward sloping phreatic tube trending to the left with, from about 10m in, moonmilk gours on the floor. After about 15m there is a squeeze past a partial stal blockage. The cave ends at a series of larger gour pools; the passage continuing to the right is too tight.	

X	55/5		1989 2019	344481	4789100	1411		Further up the valley towards camp than 54/5			The large entrance is clearly used as an animal shelter. The rift at the back of the entrance leads after 8m to a small 6m diameter chamber containing a muddy pool. There is no way on except the aven above. To the right of the main entrance is a small rift about 3m above the ground. This entrance leads to climbs up into an aven (rope and protection required). Alternatively a narrow rift lower down is still going. GPS located 2019, the rift is going nowhere.	
X	56/5		1989				207 Jultayu 056 Cabeza Llambria 148 (100m distance) to where the Trea path crosses the green Jultayu ridge	We also looked at a short crawl about 30m Southeast of 56/5 and a small hole about 20m Southwest of 56/5 both of which close down after a couple of metres.			A 10m ladder pitch to a boulder floor — no way on.	
X	57/5		1989				199 Jultayu 124 53/5	The entrance is an “obvious” dark, 8m vertical slit on south facing slope looking down into the Valle Extremero, reached by an awkward climb. The entrance is not marked.			The 40 ° entrance slope leads to a chamber containing a lot of dead flow stone — no way on.	
X	58/5		1989	344631	4789061			Above 55/5 in the face of Cabeza Llambria a series of interconnected phreatic tubes, with several entrances/exits one of which emerges well above the ground.			All the passages eventually choke but they may be worth digging. The cave has not been marked. GPS located in 2019.	
O	59/5		1989					Located about 20m to the right of 32/5 (looking downhill), a 4s drop. Marked by the SIE in '86 as finished, but not marked by OUCC.			May be worth a look.	
X	60/5		1989 1998					A small draughting hole about 20m from 8/5 (and 100m from camp) was enlarged by Paul Brennan.			A small descending vadose passage ends in a tight squeeze, described as requiring someone small to push it. Someone small (LB) was unable to get out of daylight. No draft.	Expedition Report 1998
x	61/5		2019	344186	4788461	1555		In the Valley of Dry Bones, up valley from 69/5			A blind 20m shaft. Located and climbed down in 2019, maybe 8m deep and blind.	
X	62/5			344420	4789010			At the top of a bed of limestone sloping at 45 ° , overlooking the 53/5 valley, near a small shakehole with a choked rift at the back. About 200–300m down valley from 40/5.			An 8m free climb reaches rift. May go in either direction. Beware! Loose boulders at top. Visited in 2019, S rift is 4-5 m before total blockage under shake hole. Some draught. Other direction no draught. Some digging progress made. Could continue digging, but not very promising.	
O	63/5	Dowser's Delight						At bottom of cliff below Jultayu path, about 200m north of junction with Trea path. Originally found by dowsing.			Very tight, possibly too tight, slot descends about 5m.	
/	64/5		1991					About half way between 29/5 and where the Trea and Jultayu paths meet.			A strongly draughting shakehole which was dug to a depth of about 3m before being abandoned as too unstable. May be worth another look.	
/	65/5		1991	344462	4788917	1515		Best route is to contour west from a point in the Valle Extremero at an altitude of about 1525m. A large well vegetated rift entrance.			40m shaft leads to several routes, all choking. One site could be dug, but would be a long term project.	

/	66/5		1991, 1992	344242	4788525	1524		The entrance is situated halfway up a pile of boulders in an area of shakeholes about 40m to the right of the Trea path and about 150m before the path starts descending steeply. The entrance is marked by a poorly visible cairn.			Descends about 100m, via three pitches and an awkward rift (The Corner Shop), to where it becomes far too tight. See Refs.	Expedition Report 1991, 1992. Proc. 14.
X	67/5			344226	4788531			20m from 66/5 on a bearing of 300 ° . Narrow shaft in shakehole.			A shaft into too-tight rift, dug open but no way on.	Proc. 14
X	68/5			344168	4788531			40m W of 67/5, at base of cliff.			A shaft which chokes, with lots of perched boulders at the top.	Proc. 14
/	69/5							In the Valley of Dry Bones, a strongly draughting hole.			Dug to 6m depth over a number of trips, from where a side rift lead into a small chamber in a boulder choke with no way on. Dug further to reveal another small rift into chamber with three drafts. Both left and right are diggable with extreme care but have been left for another day.	Proc. 14
/		Pozu Jenga	1998- 2000 2003 2014 2016 2019	344245	4788465	1623		In Valley of Dry Bones, under cliff. Smaller of two holes with noisy draft coming from rift. Diggable.			Cliff face demolished to gain entry to a 6m pitch "Gravity Crisis" in the rift. Squeeze through boulders including the chockstone reaches a very drafty chamber. Final chamber dug in 1999 to vertical choke. Entrance shaft partly collapsed in 2000 to enable a wider and safer shaft to be dug. Rubble cleared in 2003 to open squeeze into small chamber. Strong draft from 3" slots. Rock is friable, so digging is still feasible. Worth a return. Beyond the chockstone, following the passage upwards leads to a squeeze down into a draughtless chamber. Choke opposite this way down draughts, and is worth digging.	Expedition Reports 1999, 2003, 2016
X	70/5		1998					In the green valley going west from the metal signpost on the Trea path towards the site of the 1992 flooded campsite. A bedding plane crawl on the S side of the valley at an obvious overhang.			A T-shaped passage, a bedding plane with a rift in the floor. After 5m it becomes flat out and two moonmilk stalactites impede progress slightly. Beyond a wiggle and squeeze, The Squish, leads to a right hand bend which must be passed on ones right side. Squeeze passed to reach standing passage (!) and two 25 foot climbs to total choke. Thank Christ!	Expedition Report 1998; Proc. 14
X	71/5							150m from camp on a bearing of 292 ° .			This cave was dug open by removing a large boulder. A 15m pitch is followed by an 8m handline climb down to a boulder floor. An inlet rift part way down the pitch soon becomes too small.	Proc. 14
O	72/5		1998	343953	4788342			On slope overlooking Jou de la Cistra, about 100m west of Jultayu path.			2m diameter pot, 5m deep. May have rift leading off at bottom.	Expedition Report 1998
O	73/5		1998				065 Cabeza Llabria 143 Jultayu	Likely digging site in steeply descending rift at edge of Jou de la Cistra.				Expedition Report 1998
O	74/5		1998				146 Jultayu	1m square hole in centre of green depression in Jou de la Cistra, suitable for midgets who like flies and caterpillars.			Hole filled with ferns and with a wide rillenkarren catchment to south west.	Expedition Report 1998
/	75/5		1998	344434	4788890			Labelled 72/5. 50–100m S of 27/5. Found by contouring east from Martini Pool. 2m high rift at base of shakehole with a small phreatic tube at top.			Boulders removed to make accessible to thin cavers. Slight draft and bigger passage or chamber about 2m in.	Expedition Report 1998
O	76/5			344387	4788859			Possibly labelled 72/5. Valle Extremero. 30m E of 54/5.			1m diameter phreas ending in a calcite blockage. View to passage beyond. "Easy digging".	Expedition Report 1998
O	77/5		1999	344182	4788637			Go past 29/5 and continue along the edge overlooking the Valle Extremero. Cave is in a shallow rocky valley heading on a bearing of 60 ° .			10 m shaft which needs medium sized rock removing to gain entry. Well placed but doesn't look massively promising.	Expedition Report 1999

X	78/5	Pozu del Refugio	2005, 2022, 2024	344006	4789515			In the Ario bowl, Nearest hole to the Refugio.			A shaft lands on snow, rubbish and old mattresses. Round the corner is a connection to another entrance, containing more snow. Surveyed in 2024 but no way on found.	Expedition Report 2024
/	79/5		2006	344042	4789452			Shakehole (the 2006 report described it as a "sakehole") in Ario bowl, just before and to the left of the snow shakehole.			Slot amongst boulders opens up into small chamber with drafting holes in the floor that could be widened. An insect nest may prove problematic and require clearance.	
O	80/5			343999	4788476							
O	81/5			343489	4789488			Phreatic remnant shelter on S face of Cabeza Forma.				
X	82/5	Iron Bar Pot	2016 2019	344351	4788491	1523		Dig at bottom end of Valley of Dry Bones, nearest Trea Path.			Strongly drafting dig about 4m deep. Draught seems to be emerging from very shattered rock without solid walls or cave passage to follow.	Expedition Report, 2016.
X	83/5	Cueva del Rory	2019	344118	4788415			Shaft in an area of limestone pavement with wide grikes above the Valley of the dry Bones.			Free climbable shaft of ~4m leads to narrow crawl to small chamber. Crawl continues round a right hand bend to a further chamber with a voice connection to the surface via a second shaft. An excavated crawl leads off for a few metres	
X	84/5		2019	344309	4788402			Probably in Valley of Dry Bones area.			Rift. Solid back wall, rubble chokes at 3m depth. Possible faint draught. Would need some rubble removing to write-off entirely. Worth an hour of work?	
/	85/5		2019, 2023	344574	4788864			Up valley from 53/5 on true right-hand-side			Skirt round cliff from 53/5 in direction of the top of extremero. Traverse left over steep grass slope. Small body sized rift entrance to chamber with strongly striated popcorn as if formed by strong draught. 45 degree downward sloping 10m rubble slope with slimy climb into chamber. Go back on yourself down another 2 m to (diggable) dry mud choke blocking passage. Small continuation upwards choked with rocks. Significant blowing noise coming from gaps between calcite at floor level, but surely too far from 53/5 to be the draft in the entrance rifts?	Expedition report 2023
O	86/5		2022	343613	4788636			At base of sheer limestone approx. 6 m high. Black hole. Entrance approx. 30 cm x 75cm and probably just large enough to enter. Looks to widen below. rocks fall about 10 m. part of a larger surface feature. worth a descent.				Expedition Report 2022
X	87/5		2022	343535	4788638			Two obvious large connected shakeholes.			Can either climb down the connection or the eastern of the two. Approx. 5m deep and choked in all directions.	Expedition Report 2022
X	88/5		2022	344059	4789459			Shakehole from which snow was collected during Ario camps up until around 2010			Climb down a couple of metres to a choked floor with a small remnant of the snowplug.	Expedition Report 2022
O	89/5		2024	344324	4788749			Climb up ~8m to crack in rock				Expedition Report 2024

Area 6

/	1/6	Ridge Cave	1980 1985-86	341129	4787910	1891 [1917]		On the main ridge between Jorcada Blanca Pass and Pico Conjurtao. Best reached from Top Camp by walking down Bog Alley (directly away from La Verdilluenga) to a bowl filled with massive boulders. At the opposite side of the chaos, a green gully runs upwards. Ridge Cave is near the top of this, about 50m below the ridge.	2435 m	655 m	See Refs.	Proc. 12
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/	2/6	Pozu Conjurtao	1980 1985-86	341060	4787815	1953 [1984]		From Ridge Cave continue up the grassy slope followed by a scramble up a rift leads to the top of the ridge. A large open shaft.	2435 m	655 m	See Refs.	Proc 12.
/	3/6		1986 1988	341100	4787876	1940		Walk up grass slope to ridge from Ridge Cave and turn left at the top until the next grass field on the left side is met, before the ridge rises towards the 2/6 hill. Turn left (back towards Top Camp) and walk along and down the grass for 40m to a shakehole on the left side. The rift seen in the N wall is the continuation of the Ridge Cave (1/6) entrance fault; digging out some boulders at the bottom of the shakehole might connect down to the rifts near the first 1/6 pitch. The 3/6 entrance, however, is a hole in the W side of the shakehole.			The entrance (marked but not investigated in 1988) seems to have grown by collapse (frost action? memory lapse?) since it was first seen in 1986. After removing the regular cobweb choke it is now possible to creep down the exceptionally spiky manhole and look along a floor level crawl onto the head of a 10–12m pitch! The head of 'Shit Creek' in 2/6 is 200m vertically below. Awaits following up.	Proc. 13
X	4/6		1988	341057	4787879	1946		Follow ridge as on the way to 3/6 but carry straight on to boulder jumble at foot (righthand side) of 2/6 hill. 4/6 is straight on in the S corner. The entrances were passed by many cavers en route to 2/6 in 1986 but never noticed except by Fred; they were rediscovered, marked and initially explored in 1988.			A 2m climb down very loose boulder pile to tiny chamber with hole to drop ahead and another hole to smaller drop on left. Slide down the latter into very interesting cavity underneath a car-sized rock slab (supporting everything you've been treading on whilst approaching the entrance), and squeeze down another hole to floor level of first drop. This is in 1m wide 5m long 3m high vadose passage with clean scalloped walls, unfortunately with a solid gravel floor and ending as parallel 1" and 3" cracks in the far wall. Total depth is about 8m.	Proc. 13
/	5/6A-B			341050	4787886	1942		5/6A is a few steps west of 4/6. 5/6B is only 20m SW on the Polish side but difficult to find at the surface; it's easier from inside (and this is how it had been found in the first place!).			5/6A is entered by scrambling down loose overhang into rift and traversing forward to 10m pitch (natural and 2 bolts). Penduling forward in the 167 ° striking rift gives access to a blind 5m pit (diggable?) whilst at the foot of the pitch a step under a rock arch gains the main chamber. The snow cone gave rise to the name of 'Pozu Paseo Nevado'. The snow is derived from the 5/6B shakehole upslope. The latter can be entered from outside using a short ladder or by carefully climbing through an eyehole but the rock is very loose and holds and belays tend to come off. A planar fracture at strike 167 ° dip 38 °E controls some remarkable phreatic tubes both in the E wall of the chamber and at the surface above 5/6B. In the S wall of the chamber a too tight meander leads off, but it seems to widen below; pebbles aimed through gaps in the wedged gravel floor drop at least 3m.	Proc. 13
Area 7												
X	1/7	Pozu del Bayeya	1980-81 1989					Located on the Bayeya Ridge just below the cairned path to the Jultayu summit.			Two entrances lead to an 80m shaft rigged in several hangs. Re-examined (and where necessary re-bolted in 1989), but no way on was found.	See Proc. 10

/	2/7	Pozu Jultayu	1980-81 1987-92 1998- 2000	343871	4787808	1860		The entrance is approximately 30m below the eye-hole (el Ojo de la Bruja) on the Juracao ridge linking the peaks of Jultayu and Cuvicente. The best route from the Ario Refugio is to follow the cairned path as far as the Jou del Jultayu and then to cross the Jou, aiming a little to the west of the Jultayu summit. The cave is situated below the most easterly of two obvious notches in the ridge.		810	An entrance series of three pitches leads to Paradise Rift. Beyond, are two routes: the original route followed a series of rifts, with short pitches, before opening out at Pessimist's Pot, at the top of a 400m deep shaft; the current route, GSP, is a section of easy rift, followed by a large pitch, Tumbling Dice, into a pleasant streamway, ending at a 100m pitch, Space Trout, which connects near the bottom of the main shaft. At the bottom of the shaft, Gusamo Grovel leads to the top of Just Awesome, a chamber 80m by 60m by 120m high, where the huge streamway is met. Upstream has been explored for approximately 2km, and is on-going. Downstream can be followed for 1.5km, through three chokes, to Primula Point. Alternatively, climbing up in Just Awesome enters The London Underground, a kilometre long passage, 80m wide at the start, which ends at a series of pitches down to Primula Point. From Primula Point, pitches lead up into a series of large boulder chambers, Postman Pat, Bod and Soup Dragon, before descending into the final section of streamway, Pimpernell Streamway. This ends at Choke Egbert, a large and unstable blockage, which is currently being dug. Over 800m deep, many km long.	Expedition Reports 1987-92, 1998-2000. Procs. 10, 13 and 14.
X	3/7		1980-81 1984					An open shaft about 200m from 2/7 in the direction of Ario			50m deep but no ways on.	Procs. 10, 12
/	4/7		1980-81 1984					A little uphill from 3/7, further round towards Cuvicente.			A 1.5m climb leads to a twisting descending rift that soon chokes, looks clearable, and may be worth digging.	Procs. 10, 12
X	5/7		1980-81 1984	343768	4788122			Reached by turning left at the Bayeya col, walking past 21/7, and then a few metres down into the bowl.			A 25m pitch (free-climbable) leads into a too tight rift.	Procs. 10, 12
X	6/7		1980-81				196 Jultayu 194 2/7 doline 238 Cuvicente	Located on the Jultayu side of the Jou de Jultayu, It lies on the same line as the 2/7 rift series but beyond Pessimists Pot.			A large rift partly filled with snow.	Procs. 10, 12 ?
/	7/7	Fridge Cave or Crossrift Cave	1980-81 1985					Just outside the rim of the Jou del Jultayu, some 50m to the West of the Bayeya col.			Rifts funnel into a shaft with permanent snow plug, descended for some 30m in the narrowing space between rock and snow. May be worth another look as snow levels were much higher when this cave was last looked at.	Proc. 12
X	8/7	Cowskull Cave	1980-81 1985 1990 1999					About 50–100m to the left of the Jultayu path, about a quarter of the way from the Trea path junction to the Bayeya col, just before the first steep bit.			A triangular opening climbed into from uphill leads to a chamber with animal bones. A 15cm wide rift continues down whilst straight ahead the sky is visible through an even narrower rift. In 1990 a second entrance was discovered over the the other side of the cliff face containing the original entrance. This leads, via 8m of rift passage, to a roomy chamber; a narrow crack bypassed by a free-climb leads to a second chamber — no way on.	Proc. 12
X	9/7		1987					On the North-western rim of the bowl, on the outside of the col just before the ridge rises steeply to the Cuvicente summit.		101	A very large rift with rock bridges becomes 101m deep shaft, with no way on at the bottom.	Proc. 13
X	10/7		1987					Just below the lowest point on the Juracao ridge.			A 20m climb down tight rifts — becomes too tight.	Proc. 13
/	11/7		1987	343943	4787944			Halfway around the basin towards Jultayu from 2/7, approximately halfway to the bottom of the bowl.			A 2.5m phreatic tube — may be diggable.	Proc. 13

X	12/7		1987				On the grassy patch near the bottom of the Jou		A 4m climb down to a very dubious dig.	Proc. 13
X	13/7		1987	343912	4788118		Contour to the East from the Bayeya col for 40m.		Boulder choke on the inner slope of the Bayeya rim — unpromising.	Proc. 13
/	14/7		1987				A choked meltwater sink at the deepest point of the doline below 13/7.		Potentially diggable.	Proc. 13
X	18/7		1987	343874	4788115				Boulder floored rift 1–2m wide 10m long and 6m deep — no way on.	Proc. 13
X	19/7		1987				Larger shakehole towards Jultayu from 18/7, separated by a little ridge from 14/7.		Climb down among loose chair-sized boulders to a partly overhung alcove, from where stones can be dropped 5m into the interstices between boulders and rock. A crawl winds back to the surface.	Proc. 13
/	20/7		1987	343767	4788152		Close to the grassy shakeholes forming the very bottom of the Jou, some 25m uphill on the Northern rim in an area of parallel southwest–northeast joints.		Entrance is a rectangular manhole, climbable for 2.5m to a steep loose soil ramp with fragile roof and walls. This is followed 6m later by a fine elliptical shaft of 35m which lands in a 3m x 6m chamber. 3m above the floor a strongly draughting diagonal crack in the northwestern wall opens to 5cm and offers a view through the rockwall into an adjacent chamber. Attempts were made to get through to the parallel shaft, but without success.	Proc. 13
X	21/7		1985	343813	4788142		On the northern rim of the bowl, 30m to the West of the Bayeya col.		A small hole in a corner overgrown with plants. 15m pitch followed by a squeeze leads to a choked chamber — no way on.	Proc. 12,13
X	22/7		1987 2024	343563	4788077		Outside the northern rim of the Jou 150m west and a little downhill from 23/7.		A small entrance leads to an 8m freeclimb to a snow filled chamber. Re-visited in 2024, now 15m pitch rigged from naturals, still lands on snow, no way on.	Proc. 13, Expedition Report 2024.
X	23/7		1987	343717	4788136		On the Northern rim of the Jou, 100m up along the ridge from 21/7.		25m deep shaft landing on a rubble floor. A squeeze led into a small chamber with no way on.	Proc. 13
X	24/7		1987	343751	4788174		Two thirds of the way from 21/7 to 23/7. An 8m wide snow-filled pit with a rock bridge halfway along. 20m deep to the snow and boulders.		A climb down between the boulders led to a further drop of 7m down a rift. Any possible way on in the rift was blocked by boulders.	Proc. 13
X	25/7		1987				40m into the bowl towards Cuvicente from 19/7.		Shallow boulder floored rift.	Proc. 13
X	27/7		1987				25m towards Jultayu from 19/7		Steep shakehole funnels into a square pot 4m across and 6m deep. A stooping height hole in the Southern corner leads to a chamber which is choked with sand. To the left a bedding plane closes down after 2m.	Proc. 13
/	28/7		1987 2002	343830	4788126		On the top of Bar Hill, taking the left of two grassy gullies after the Bayeya col.		A series of pitches 37m deep ends in a boulder floored chamber. In one corner a rift continues but is blocked by a chockstone. Small draught; would need extensive work to widen enough to continue along the rift. The local dip is South and not North as elsewhere in the Jultayu area. Could be the results of local folding — maybe Bar Hill is a huge erratic tilted out of its original position.	Proc. 13
X	29/7		1987				A few metres towards Cuvicente from 19/7.		3m deep manhole leads to a tight rift.	Proc. 13
X	40/7		1987 1999	343776	4788181		Reached by going up and to the West of 7/7, 25m to the West of 21/7.		Entrance under a very large boulder gives access to a 16m pitch down a twisting rift. At floor level a squeeze leads to a blind 10m pitch.	Proc. 13
X	41/7		1987 1993	343662	4788155		Outside the Northern rim of the bowl, 70m downhill from 23/7.		2m wide rift in the slope with boulder floor 11m below the lower end. The rift closes down in both directions.	Procs. 13, 14
X	42/7		1987	343541	4788085		6m wide circular pit in steep slope to North of 22/7 visible as a slot from 41/7.		A handline or ladder is advisable for the descent, but the rift appears choked in all directions.	Proc. 13

X	43/7		1987 2024	343564	4788108			50m straight downslope from 22/7. Above 46/7 on left (true right) hand side of limestone.			5m free climbable drop to a totally choked base. No draft.	Procs. 13, 14, Expedition Report 2024
/	44/7		1987 2024	343550	4788132			Small hole 5m S of 46/7.			No obvious way on, may connect with chamber in 46/7	Proc. 14, Expedition Report 2024
X	45/7		1987, 2024	343530	4788162			30m WNW of 46/7.			Climb down requires a handline. Rift with snow plug in the bottom, no way on.	Proc. 14, Expedition Report 2024
/	46/7		1987 1992 2024	343556	4788150			To west of Jultayu bowl, 50m North of 43/7.			Drop of ~15m rigged from natural belays lands on snow plug that slopes down out of daylight. Passage possibly exists going off to the right but currently blocked with snow. On the left a small hole up leads to a 4m x 4m chamber with multiple small ways on that all either lead to too tight ascending rifts or are choked.	Procs. 13, 14, Expedition Report 2024
/	47/7	Skull Cave	1990-92	344066	4787994			An inconspicuous entrance in a gravelly slope, near the Jultayu path, slightly below the level of 2/7.		150	Descends two pitches to a chamber littered with bones. Another pitch, with a very tight top, leads into a very complex area. The main way on leads to another pitch into a too-tight rift with a "large-sounding space" beyond. About 150m deep. Worth a look.	Expedition Report 1991, Procs. 13, 14
X	48/7		1993 1998				083 Jultayu 006 Ario Refugio	Go to lowest part of ridge between Jultayu and Cuvicente. Walk along ridge towards Cuvicente until stopped by sheer rock wall. Contour at this level about 30–50m further. Large cairn by entrance. In a good place to drop into upstream 2/7.			10m deep shaft. No way on at the bottom.	Proc. 14
O	49/7		2003	343763	4787909	1780		Entrance in grass, 80cm by 25cm.			Stones fall a couple of meters, no significant draught.	Expedition Report 2003
X	51/7		1998, 2024	343700	4788136		144 Jultayu	10m W of 23/7 on Jou ridge.			22m pitch rigged from a spit with natural back-up. A blind pit with no way on. Two fire salamanders were found at the bottom.	Expedition report 1998, 2024
X	52/7		2024	343926	4788215						Slip rift that closes down immediately, no draft.	Expedition Report 2024
O	53/7		2024	343735	4788151			Rift near 24/7 with which it probably connects				Expedition Report 2024

Area 8

/	1/8	Pozu del Canalizos (SIE #1)	1979-82 (SIE) 1997	342989	4789059	1670		From Ario, take the footpath towards Los Lagos, and just before the Xitu viewpoint, leave the path and continue to the left through the dolines looking for red marks. Once in a closed valley, the "Canalizos" (a particular karstic form, like organ tubes) are seen. The entrance is near the Canilizos.			An SIE discovery, extended by OUCC in 1997. Contains at least two leads: a draughting but dangerous choke, and a tight streamway at the bottom of Clusterfer.	Proc. 10, 12, 14, Expedition Report 1997
X		Pozu Canilizos de Gustuteru #2	1979-82 (SIE)					Between #1 (1/8) and #3.			A little shaft of 11m.	
/		Pozu Canilizos de Gustuteru #3	1979-82 (SIE) 1997					Near #1 (1/8). The entrance collects water from a series of Canilizos.			Another SIE discovery, extended by OUCC in 1997. Drops into Canalizos I at Cluszterfer.	Expedition Report 1997, Proc. 14
X	2/8		1979-81	342890	4788998			50–70m above 1/8			Large, obvious rift, choked at the bottom.	Proc. 10, 12
X	3/8		1979-81	342916	4789011			40–60m above 1/8			Large, obvious entrance with a short descending passage to a choked rift. Small amount of snow at the bottom, no draft.	Proc. 10, 12, Expedition Report 2024
X	4/8		1979-81	342900	4788923	1372		Small hole in the corner of large shakehole, 'round the corner' from 3/8.			Traverse over rift to head of 10m ladder pitch, landing on loose sloping pebble floor. Upslope leads to 2 grottos, downslope to a threatening boulder choke.	Proc. 10, 12

X	5/8		1979-81 2022	342942	4788831			Large shakehole adjacent to path, near 2-4/8.			10 m walk-in rift with solid walls. filled in at bottom. Rift continues upwards but gets too tight	Proc. 10, 12
/	6/8	Blackfeather	1979-81, 2023	343088	4788783	1683		On the steep side of a broad depression, on the right when approaching from the Refugio. Several other shakeholes within the main depression all choke.			Snowplug filling the base of the entrance pitch had gone by 2023 to reveal a passage leading straight to another pitchhead. This pitch lands in a chamber with a boulder choke (not investigated) at one side and a series of upward-sloping loose climbs to the other. A bolt climb here lead to ? A traverse was also bolted from the top of the second pitch to a window into a parallel shaft?	Proc. 10, 12. Expedition Report 2023
/	7/8		1985					At the foot of the huge karren slope that has 2–5/8 at the top.			Dig at foot of shakehole. Needs mechanical/chemical assistance.	Proc. 12
X	8/8	Cueva del Darren del Cilau	1985								Grovel leads to 20' high chamber with two blocked upward routes.	Proc. 12
X	9/8		1985					Cleft in side of dry valley up from and to the right of 8/8.			Leads to a small chamber with skylights and no way on.	Proc. 12
X	10/8		1985					Marked SIE C3.			Cleft has a sharp bend with a 20m pitch in it. No way on.	Proc. 12
X	11/8		1985					In hillock slightly downslope from 10/8. Nearby is an SIE mark 'M6'.			15m deep slot, free-climbable. No way on.	Proc. 12
X	12/8						040 Xitu 090 Cabeza Llabria	There are two 12/8s: the real 12/8, and cave D1, wrongly labelled as 12/8. The real 12/8 is .located just upslope from the Martini Pool by the route to the top of Gustuteru			A 10m pitch down to a snow plug (replaced by exotic plants in recent years) with a 3m climb up one wall to reach a choke.	Expedition report 1999, Proc. 13
/	13/8		1996					A bedding plane in the side of a rubble filled surface shaft, on the crest of the ridge between the Ario path and the 2 large grassy depressions of area 8. Aluminium tag placed.	55	25	Doubling back through a slot inside, opens out over a climb down into a vadose rift. Down the canyon, bridging and climbing, it heads north(ish), passing one or 2 inlets in good rock, occasional avens and a small stream in bits. After a chossy climb down into a small chamber, the low route involves crawling, but can be bypassed over the top. The routes rejoin at another climb down to a chamber of about 5m x 3m. The continuation is about 5m up the forward wall. A high level route brings you to the top of the chamber, but no way across. The climb is possible but the rock is not good so a rope and protection are needed. Vital statistics: 55m long, 25m deep. Explored: TBB, PAR. Survey: Grade 1.	Expedition Report 1996; Proc. 14
X		Pozu Xastre	1997					On the ridge overlooking sod 4, near 13/8, I think. See SIE material.			An SIE find, which OUCC failed to extend significantly.	Expedition Report 1997.
X	16/8	Adult Supervision pot	2016	343088	4788933			Found on a return to the lower end of the valley below and north of Pico Gustuteru. Climb up western wall of valley.		8	8m pitch to choked floor with snow.	Expedition Report 2016
O	17/8		2024	343013	4788909			Hole too small to enter at side of path.			Drafts out cold.	Expedition Report 2024
O	18/8		2024	343010	4788911			Squeeze down through boulders, just above 17/8, drafts out strongly. Throughbolt found in wall.				Expedition Report 2024
O	19/8		2024	343010	4788915	1392		Holes at base of small steep shakehole with clear draft out.				Expedition Report 2024
/	20/8		2024	342940	4788698			Animal shelter near junction of areas 8,9 and D.			Walk/stoop for ~6m, gets very muddy, no draught, unpromising and horrible.	Expedition Report 2024
X	21/8		2024	342888	4788977						Small rift that closes down with no way on or draft.	Expedition Report 2024

Area 9

/		Tras La Jayada	1980 (SIE) 1986, 2024	343150	4788377	1685		A large 300m plus open shaft first explored by SIE (see C. Puch's book).			A return was made to this cave in 1986 as it was thought to be worth looking for a way on. The cave was re-rigged using modern SRT methods down one wall with several rebelayes, thereby giving several hangs of reasonable length rather than a single 300m pitch. The team thought they had cracked it when about 50m above the floor of the main shaft they managed to pendule into a parallel shaft. Unfortunately this landed after about 70m on a rubble floor with no ways on, extending the cave by no more than 15–20m. Re-visited and re-bolted in 2024, a way on was found at a drafting hole in the back of the small ante-chamber at the foot of the main shaft, see Expedition report 2024.	Proc. 13, Expedition report 2024
/	1/9						172 and 191 Cuvicente 233 Verdelluenga 316 Gustutertu	Large 300m diameter shakehole 200m SSE of TLJ, includes marked entrances of 7/9 and 8/9. Bearings are from central boss of the shakehole.			A way through boulders leads to a 5m pitch landing on a snow plug. A way on may just be possible.	Proc. 12
X	2/9	La Jayada	1987 2019	342986	4787929			A huge shakehole, visible from miles away.		~ 100	This cave was re-examined in 1987 and a route on past the snow plug was found. A number of large chambers were found with sky lights to the surface. No way on from these chambers was found. The find added approximately 44m to the depth of La Jayada to give a total depth of about 100m. Visited again in 2019, it hadn't changed!	Proc. 12, 13
X	3/9		1980 1990 1999					From the giant entrance of La Jayada, head leftwards and uphill, past the large shake-hole 'The Wiggly One' (13/9), to a shaft above a scree slope.			The cave was originally explored in 1980 to a depth of 50m, where the shaft was blocked by a large snow plug. By 1990, this snow plug had been greatly reduced in size, and it was possible to continue to a depth of 90m. At the bottom, there was still a snow plug, although this appeared to be resting on a boulder floor. A parallel shaft 10m above the floor rejoins the main shaft.	Expedition Report 1999, Proc. 12, 13
X	4/9						064 Jultayu 202 La Jayada	On the approach to Tras la Jayada. up on the right hand side of the valley.			4m deep entrance climb (approx 2 x 1.5m) leads to series of small chambers, ending in a rift which can be climbed down about 4m, but becomes too tight.	Proc. 12
X	5/9							Due south of 4/9, on other side of small valley.			Jagged rift partially concealed by a few jammed boulders. Ladder pitch to snow plug. Small hole leads to chamber with no way on.	Proc. 12
X	6/9		1999 2024	343229	4788368			Two large pits in karst outcrop on North edge of medium sized bowl about 60m down valley from Tras la Jayada.			Climb down into the pit which sometimes contains a snow plug. A 5m ladder pitch leads to a tight rift which could probably be pushed by a thin and determined party. Re-visited in 2024, the floor of the rift was dug to allow access to a slightly wider section but this immediately closed down leaving no further prospects.	Expedition Report 1999, 2024, Proc. 12
X	7/9							10m ESE (120) of central boss of 1/9.			15m pitch to snow plug, sloping down at 20 ° to another upwards shaft. Halfway down the slope it is possible to kick down into the snow to a rift leading to a blocked bedding plane. At the bottom of the slope it is possible to kick down into a blocked shaft.	Proc. 12
X	8/9							10m NNE (10) of central boss of 1/9.			A 30m deep rift with some choked passages leading off.	Proc. 12
X	9/9							About 70m upslope from Tras la Jayada.			A 30m pitch to snow ledge, followed by 5m pitch to the bottom. Three ways off, all choked.	Proc. 12, 13

/	10/9	Cueva de los Huesos	1998 1999 2000 2019	343027	4788620	1753	Below rillenkarren on west wall of rift valley between two rocky shakeholes. The valley runs N-S below summit of Gustuteru with view north to Lagos path and south to Cuvicente. Labelled "OUCC 10/9" with badly faded red paint.			60m deep and tight. Obvious hole above right of actual entrance goes nowhere. Small rectangular entrance into small chamber with a narrow, strongly draughting squeeze at the far end. Ledge 2m below and quite large passage continues down. 10m pitch lands on rocky floor with too tight rift, but a hole in the wall half way down the pitch leads to short walking passage with bones (animal? human?) to pitchhead. 6m pitch lands in awkward 3-4m high rift. Following this rift brings you to the third pitch, approx. 24m. Several further climbs down lead to Pipsqueak, a rift in the floor. Various passages lead off from this section, the most promising of which will need a fair amount of hammering and/or capping.	Proc. 13, Expedition Report 1999.
X	11/9						Above an eyehole on the side of Gustutertu.			A 12m vertical phreatic tube to a chamber. A crawl leading off becomes too tight but draughts.	Proc. 13
/	13/9	Wiggly Cave or The Wiggly One	2016	343108	4787889		An extremely large shakehole located about 100m from La Jayada.			Triskelion shaped (like the Isle of Man emblem), each leg being about 5m wide and 10m long, containing a large snow plug. Pitches can be rigged down to the snow plug from various places, but there seems to be no way on. Completely plugged with snow at a depth of 25m in 2016.	Proc. 13, 2016 report
X	14/9	Bara Shigri	1998 2008	343019	4788506	1739	At end of valley containing 10/9, on SE slope of Gustutertu heading towards La Jayada and almost directly below 27/9. Formally known as B1 and probably labelled as such.			Large walk-in entrance, 4m high, 6m wide, used as an animal shelter. Phreatic tube in roof leads up for over 10m before closing down. Choked horizontal crawl to rear of entrance chamber drafts. This was dug open in 2008 and broke out into a steeply- descending chamber. After 25m the slope eases and the passage enlarges to 5.5m wide and 4m high. A large stal on the right provides a boss belay for a 5m sloping pitch. Near the stal, on the left, a climb up to a crumbling bridge leads to a window which enters a small, ascending, immature rift, which leads nowhere. Beyond the pitch the floor slopes down at around 30 degrees in an abandoned phreatic passage with small gour pools. After 45m the ceiling joins the floor in a solid choke.	Expedition Reports 1998, 2008
X	15/9						A small entrance in the bottom of a boulder-filled valley, 500m north of La Jayada. Formally known as B2 and probably labelled as such.			10m pitch. Chokes.	
/	17/9						To right (true left) of La Jayada is a green area with an obvious choked shakehole. Uphill to the right over a little ridge is a shallow valley with a snow plug. In the (true) right side of this wall is a cleft.			Clamber down and double back under boulders. Not pushed further.	Proc. 14
X	18/9			342988	4788150		In valley running down from Verdelluenga, just over the rocky ridge 400m NNW of La Jayada.			10m descent to snow plug; further 5m descent reaches too-tight rift.	Proc. 14
/	19/9			342644	4787800		In the spur of Verdelluenga overlooking a 200m diameter closed depression. Directly above line of C3.			25m deep shaft to snow plug. A rift goes off. A shake hole behind has a window into the main shaft.	Proc. 14
X	20/9						In the side of the spur of Verdelluenga, in an area containing many shafts and shakeholes.			Huge, 30m long gulley with snow plug. Entrance pitch lands on snow, and slope can be followed down to the top of a pitch, choked with snow 10m down. Traversing over this pitch reaches a pleasant, round, 20–25m deep shaft, unfortunately choked at the bottom.	Proc. 14
O	21/9			342781	4787780		Near the western col on the Cuvicente–Verdelluenga ridge, overlooking a bowl.			An undescended 25m shaft.	Proc. 14

X	23/9		1998				035 Ario Refugio 112 Cuvicente	On karst above La Jayada, approximately 200m upslope and to left of spur from main ridge.			Thin crack opens out to 5m free climb. Choked at bottom.	
/	24/9		1998				037 Ario Refugio 114 Cuvicente	On karst above La Jayada, approximately 200m upslope and to right of spur from main ridge.			Body-sized vertical crack needs hammering to reach a small chamber.	
/	25/9		1998				037 ° Ario Refugio 114 ° Cuvicente	Several shafts in depression just to the north of Cuvicente-La Verdulluenga ridge, roughly halfway between the two peaks.			25/9a. Bridge Pot. Large open shaft 70m rope reached snow and allowed some progress between snow and walls before these pinched in. A rock bridge part-way down the shaft leads to an alternative pitch which also lands on the snow-plug. May be interesting in lower snow conditions. 25/9b. Downslope of 25/9a and obvious continuation of the same rift. 10m pitch but choked. 25/9c. Two shafts separated by a rock bridge down to a snow plug. This can be accessed by clambering through boulders from a depression down-slope from the shafts. No way round snow-plug. 25/9d. 10m open shaft to snow-plug. The bottom of the shaft can be reached from a depression upslope of the shaft. Upslope in the depression leads to a 5m crawl, then 10m of walking passage to a moon-milk decorated chamber with skylights to the surface. Rig a 20m hand-line from top of depression to climb down loose slope to reach the bottom of the snow-plug. From here a 20m pitch between boulders can be rigged. 25/9e. Unentered smaller shaft to west of main group.	
/	26/9		1998				162 Cuvicente 190 Verdelluenga	Three holes at the bottom of the northwesterly (southeasterly?) slope of Gusterteru located in the corners of 2 small rocky depressions.			26/9a. Jultayu 134 ° , Cuvicente 176 ° , La Verdulluenga 226 ° (editor's note: these bearings are inconsistent with the ones above!). Short climb down in corner of higher depression to head of 10m pitch in rift. All routes at the bottom are choked, but a passage can be seen beyond and there is a slight draft. Half way down the entrance pitch a squeeze enters a continuation of the rift which can be free-climbed to a very (howling) drafty junction with a pitch down and a continuation of the rift blocked by a large boulder. 26/9b. Hole in opposite corner of depression from 26/9a. Possibly the same rift. Appears to choke but not thoroughly investigated. 26/9c. Hole in corner of a nearby depression in same rift line. Tight squeeze to probable boulder choke. Unentered.	
/	27/9	Bill's Cave	1998 2000 2008 2017 2019 2022 2023 2024	342983	4788514			Rectangular depression with rift entrance on east side of the south-west upper slopes of Gustutero, about 100m from summit in direction of Cuvicente. Follow path from Martini pool, then climb up slope before reaching a large boulder.			Now connected to 2/7 via Pieces of '22 aven, just downstream of the C3/C4 sump.	Expedition Reports 2000, 2008, 2019, 2022, 2023, 2024
X	28/9		1998				067 Cabeza Llambria 124 Jultayu 168 Cuvicente 227 Verdelluenga	Large rillenkarren-ringed depression on south slope of Gustutertu, about 100m below obvious rock shelter.			Small 2m deep rift blocked by rocks.	

/	29/9		1998	343058	4788087			Might be 5/9. Large (30m x 40m) bouldery depression with rillenkarren on east slope of La Verdulluenga above Tras La Jayada.			Various ways into meandering rift with strong draft. Stones rattle for up to 10s (!) Rigged 10m pitch/climb in meandering rift to bouldery floor. Rift continues over short traverse to a squeeze and tight 3m climb down. Rift at bottom too tight.	
X	30/9		1998				120 Jultayu 144 and 169 Cuvicente 211 Verdelluenga	Shake hole by path from C3 col down valley on SW slope of Gustutertu, on right of path going down.			Block-filled rift. Climb into rift and crawl under surface boulders. Looks into hole at top of meandering rift 1 to 2m deep. Too tight. Not worth talking about.	
/	31/9		1998				059 Cabeza Llambria 120 Jultayu 175 and 185 Cuvicente 230 Verdelluenga				Drafting dig at bottom of a shakehole. Dug to reveal a pitch, down which a crowbar was lobbed. Ladder pitch for 5-7m to boulder floor and too tight rift. May be diggable (KH, FL). Not clear if crowbar was retrieved.	
/	33/9		1998				130 Jultayu 190 & 199 Cuvicente 237 Verdelluenga 299 Gustutertu	Below scree slope down from path leading from Jultayu to the La Verdulluenga valley.			2m square entrance leads to narrow rift with small draft. Needs digging or hammering.	
O	34/9		1998				154 Cuvicente 240 Verdelluenga	Originally known as 33/9, and possibly labelled as such. 1–2m open shaft with 2s drop.			Undescended	
X	35/9		1999, 2024	343016	4787842			Approx 50 m South of the large shakehole circa 50m SE of La Jayada. Alternatively skirt round from 2/9 to the E. Near the bottom of a karst area sloping at 30 ° . Marked as "1987 OUCC 10/9 O"			Steeply descending boulder slope with snowplug on top but not reaching the edges. Enters a narrow rift where boulder slope becomes slightly less steep. Two short passages to the left both close down. Completely choked with no draft.	Expedition Report 1999, 2024
X	36/9		1999				232 Verdelluenga	Near lower end of valley running down from La Verdelluenga containing many shakeholes.			10m shaft rigged on naturals leads to chamber with snow plug and no way on.	Expedition Report 1999
X	37/9		1999				221 Verdelluenga 150 Cuvicente	In valley roughly 200m E of twin peaks of Gustuteru (called Cabeza del Burro on Mapa Topographica Nacional). No peaks visible from entrance, but bearings from 10 m upslope. Down valley from 41/9 and Cdo Jermoso (on Adrados map).			Short climb down to walk in daylight entrance to small chamber with snow plug. Two daylight shafts enter from above. 3m climb down (bolted) to right of snowplug lands on bouldery floor with too tight rift heading off horizontally at floor level. Choked after 1m. Possibly barely perceptible draught. Snowplug was still quite large at end of 1999 expedition—possible source of water if we ever decide to camp nearby.	Expedition Report 1999
X	38/9		1999				127 Cuvicente 048 Ario Pastors Huts 243 Verdelluenga	Large walk-in animal shelter to the right (true left) of La Jayada, over a small ridge. Has also been recorded as 44/9.			Large entrance 6m wide x 2m high which slopes upwards at rear. Small grovel on right goes nowhere. Sloping squeeze on left at rear leads to a small sloping chamber. At the base of this chamber, a way through to a climb of about 5m in loose rift goes nowhere. Also from the chamber, a way back into the left hand side of the entrance can be found—climb over dead sheep. Unpromising.	Expedition Report 1999, 2024

X	39/9		1999				135 Cuvicente 229 Verdelluenga	Small shaft about 1.5m across and 5m deep in karst outcrop to right (true left) of La Jayada in same valley as 36/9 about 150m up valley in direction of La Verdelluenga.			5m deep shaft has too tight continuation at bottom. Piddly little rift may connect.	Expedition Report 1999
X	40/9		1999				246 Verdelluenga 197 Bearing from lip of bowl to cave 234 Verdelluenga (?) 119 Cuvicente 048 Ario pastors huts 070 Cabeza Llambria	Obvious shaft on lhs of large bowl where La Rena ridge forms right hand side of bowl (Jou los Purriellos on Adrados map). Very faded SIE mark and cairn near entrance.			Large shaft 6m x 3m rigged using bolt with boulder back-up at upper end of shaft. 15m drop onto snow plug—bolt rebelay 10m below lip, 2m below ledge. Continue down steep snow plug under a rock arch to a narrow drop through into another steep snow-floored chamber 6m x 4m. Various ways off were examined but were either choked with snow or stopped. Explored at end of expedition with low snow levels—return visit only worthwhile with exceptionally low snow levels.	Expedition Report 1999
X	41/9		1999				140 Cuvicente 227 Verdelluenga 61 Cabeza Verde 110 Jultayu (?)	Large boulder filled shakehole with open shaft in one corner in rocky outcrop on Cuvicente side of Cdo Jermoso (Adrados Map) between 36/9 and 37/9 near green patch.			Shaft is 12m deep and rigged on bolt with natural backup. Bottom of shaft is rubble floor with remains of snowplug. Two little crawls (one each side) go nowhere. Removing a few rocks from under snowplug revealed solid floor with tight squeeze (probably passable by thin caver) to a body sized cavity with a rock ceiling and rh wall and rubble floor. Possibly diggable.	Expedition Report 1999
/	42/9		2008	342840	4787670	1915		Near the Cuvicente–Verdelluenga ridge, in area of karst.			Crack leads down to squeeze above short drop: not pushed. Looks unpromising.	Expedition Report 2008
X	43/9		2008	342888	4787814	1855		Hole at bottom of small shakehole. True left of a small hear of rock and below another larger one.			Climb down 7m. No way on.	Expedition Report 2008
/	45/9		2022, 2023	342941	4788458			6 m wide, 2m high entrance with large boulder wedged across in the centre.			Walking passage funnels down steep muddy loose slope 2m X 2m that continues approx. 15 m before dropping 4-5 m to a rubble floored chamber. Downslope leads to a choke in waterworn passage. Next to the base of the pitch a strongly drafting hole (0.75 x 0.5 m) leads after 2 m to a 1 m drop into a grotto with fossil calcite. Doubling back under the crawl is a vertical squeeze leading to a chamber with a very small squeeze leading to a climb down to another boulder chamber where the floor chokes in both directions. A strong draft was reported here from a very narrow unpushed squeeze.	Expedition Reports 2022, 2023
X	46/9	Cross Drop Cave	2024	343088	4788122	1689					Squeeze between boulders leads to 3m drop choked at the bottom with no way on and no draft.	Expedition Report 2024
Dig	47/9		2024	343081	4788178	1656		Uppermost dig in a series of three drafting holes in the same gully.				Expedition Report 2024
Dig	48/9	Pozu del Gentian	2024	343109	4788189	1636		Middle dig in a series of three drafting holes in the same gully.			Promising bouldery dig looked at a couple of times in 2024, becoming prone to collapse.	Expedition Report 2024
Dig	49/9		2024	343124	4788196	1626		Lowest dig in a series of three drafting holes in the same gully.				Expedition Report 2024

Area 10

X	1/10							The cave is located about 300m down the Valle Extremero. Just below the "prow" of rock that divides the upper part of the valley, leave the eroded path and strike off on a contour, rightwards (facing downslope). Two small valleys must be crossed before a climb down can be made to a small stream bed (normally dry). Ascent on the other side leads to a vertically descending hole, about 2m by 4m.			The shaft is about 60m deep, in approximately 20m, 20m, 15m and 5m stages, with only standing-sized ledges between pitches. The landing is in a slightly sloping boulder floored rift about 50m long and 2–5m wide. Upslope the roof is about 25m high with water coming in from roof level. The water disappears into a grovel at the downslope end, and possibly resurges at Trea.	Proc. 13
/	2/10	Cave of the Old Mens' Dream (TR2)	1990 1991 2024	344737	4788691	1510	009 dolomite boss on the ridge of Cabeza Llambria 049 Cabeza Llambria 098 obvious entrance in central Massif	Directly below 9/10. A fine 4m high triangular entrance with a hidden eye-hole above it. Also numbered 10/10 in 1991. Marked TR2.			From the entrance a 30 ° mud slope leads after 10m to a small chamber. A climb down to the left leads to 15m of passage ending in a flow-stone blockage. This drafts gently and a continuation is visible. It was dug in 2024 until a too-tight squeeze was reached. A passage ascends to the left. A narrow slot in the floor is the head of a 5m blind pitch. After 15m, the passage leads to a small chamber, where a tight climb or a 10m pitch unite in a chamber. A crawl down a loose boulder slope leads to a three way split, with each way choked.	Proc. 13, Expedition Report 1991, 2024
X	3/10		1989 1991					Walk up the green ridge towards Jultayu until you are at a height just below the top of Cabeza el Verde. To the left is a large bowl; one end opens out to look down on the Trea path. Walk about 2/3 of the way around the cliff face that forms the back wall of the bowl. The entrance is a 4m high slit in the cliff face.			The lower half of the entrance is too small to permit entry of a person, but a climb up into the top of the entrance reveals a series of dry cascades descending at 45 ° — unexplored. This cave was originally found in 1989. Many unsuccessful attempts were made to relocate it, until finally in 1991 it was found to be an impenetrable crack.	Proc. 13, Expedition Report 1991
X	4/10							Located near to the woods in the Valle Extremero, in the right hand cliff, a 1m by 1/2m entrance.			A 5m horizontal rift leads to a 7m pitch which lands in a chamber with a pool. No way on. It is possible that a 15m climb above the entrance may lead to another entrance into the same rift.	Proc. 13
X	5/10		2024	344612	4788604			Located on the green ridge of Jultayu, 50m on a bearing of 10 ° from the point where the Trea path opens out above the gorge. Note: NOT found at the coordinates given in the old shaftbashing guide in 2019.			A small hole is the top of a 7m ladder pitch into a boulder floored chamber. At the base of a short boulder slope, a crawl over a small hole in the floor leads through a 5m long, 10m high chamber to a draughting choke. This was dug into a crawl, passing a narrow pot to a small chamber. A hole under boulders to the right leads to a choice of routes. A 10m pot connects with the narrow pot and is choked at the bottom. Opposite the hole, a small tube above a dangerously poised boulder leads down to a choke. The main route leads to the left into a chamber extending to a sloping boulder floor. Downslope leads to a choked rift. At the top of the slope, a crawl left leads to a surface connection (currently too tight) situated at the bottom of a deep shakehole; this may be the source of the draught.	Proc. 13, Expedition Report 2024
X	6/10		2024	344736	4788510			Located in the large depression, Huerta del Rey, near the top of the Trea Valley, which is believed to have been formed by the collapse of Choke Egbert in 2/7.			A large rift in the south west corner can be abseiled into. Four separate passages were explored and all choked.	Proc. 13, Expedition Report 2024
/	7/10		1991 2019	344418	4788566			Just before the Trea path starts to descend steeply, it splits in two, passing either side of a grassy patch, containing a small cave.			A short drop into a tight rift. "A small person with a large hammer and a powerful blow could probably descend the rift." Hammered in 2019 until a large flake fell off and got stuck in the rift. Further progress could be made with a hammer, etc. but no draught and not promising.	

X	8/10		1991				056 Cabeza Llambria 357 Cabeza Verde	In the middle of the ridge leading to Cueto la Requexada, in a most unlikely position			A 3m deep pit, with a 50cm diameter entrance. Described as very silly.	
/	9/10		1991	344699	4788669			45 ° to Cabeza Llambria, 344 ° to Cabeza Verde			Entrance squeeze leads immediately to a 6m drop to a bouldery ledge. A further pitch of 10m in 3m wide pot, with slimy walls of mud and moonmilk, to floor with a 1m high body sized rift, partially blocked by stal and mud.	
X	11/10		1991			~ 1555m	058 Cabeza Llambria 003 Cabeza Verde	In shattered ridge running towards the Valle Extremero.			A shaft with a wedged boulder at the top. A ledge 2m below surface leads to 8m pitch, and further 4m boulder slope down to choke. Climb up to right leads to choked inlet.	
X	12/10		1991				047 Cabeza Llambria 357 Cabeza Verde	15m from 8/10.			'S' shaped rift chokes after 2m	
X	13/10		1992 2019				092 Cueto la Requexada 120 first bunch of trees in the Trea valley	The cave is reached from a point on the green ridge of Jultayu, overlooking the Trea Valley, about 50m above the Trea path and 10m below a prominent lump of rock with a tree in the Trea side. An exciting 50m abseil (two spike belays, bolt 8m down, bolt just above lip) with fine views of the gorge, lands on a vegetated ledge. The cave is at the top the ledge, and visible from the prow in the Trea valley.			Chokes immediately. Revisited in 2019, still chokes!	Proc. 14
/	14/10		1998 2019	344696	4788614	1486		Walk down Trea path until junction between CLR and route down to Huerta del Rey. Entrance is found by heading up grassy slope towards local peak. Entrance below peak, under small sloping overhang.			Body sized rift drops into body sized tube. This heads down for 3m to top of 3m pitch in rift. Rig using ladder from flake. This drops to a sloping, bouldery floor to diggable, clacited, drafting dig in rift. Digging revealed a continuation of the passage but more digging is necessary before it can be entered by cavers. Dig continued in 2019, about 2m progress made, draughting slightly. Further progress would require capping and/or much determination.	Expedition Report 1998
O	15/10			344729	4788950			In lower slopes of Area 10, just above the forest in Valle Extremero.			Low crawl at foot of cliff appears choked.	
O	16/10							About 50m after 15/10. Hole 5m x 5m, about 10m above ground (maybe higher) in left hand cliff.				
O	18/10							Seen from 0344721 4788581: shortly after the Trea Path splits, follow path that goes up to ridge between Extremero and Trea ("The Prow"); cave is visible from whole of ridge. Bearing 126 ° from above location. 5m x 3m hole in cliff, 20m above green slope on right of Huerta del Rey.			Could be another sighting of 13/10 with bearing out by 180 degrees?	
O	19/10			344788	4788583			When the Trea Path splits, follow the route onto the ridge between Extremero and Trea ("The Prow"). Near the top of the ridge. Body-sized hole under large rock.			Could not be found at this location in 2019.	
X	21/10	La Cueva de la Mariposa	2005	344922	4788446			Near the end of the Extremero–Trea ridge (The Prow), a rift in the ridge reveals a hole which can be entered.			Excavated hole leads into an attractive white rift, 20m long and 10m high, which pops out into the cliff overlooking the Trea Valley.	Expedition Report 2005
/	22/10			344160	4788668			Rift on the right hand side of the Trea Path. Probably in Area 5.			On the tight side and unlikely to go anywhere.	
O	24/10			344553	4788602			Small hole off path between Prow and Trea Path.				
/	25/10			344606	4788623			Just on Trea Path side of the previous cave; it looks like they connect.			Drop straight down into grass, not under outcrop.	

X	26/10		2005	344884	4788961	1348		In the base of the Valle Extremero, about 200m above the trees, in the base of the cliff, near a large boulder. (GPS 33m accuracy)			10m long. Used as a sheep shelter. Could be same as 16/10	Expedition Report 2005
X	28/10		2005	345461	4788735	1188		In the trees in the Valle Extremero, 20m north of the ridge on the south side of the valley, on a grassy slope, between two trees that are 5m apart.			1m by 0.5m vertical slot leads down for 2m to a 3m long, choked chamber. No draught.	Expedition Report 2005
X	29/10		2005	345202	4788474	1305		On the ridge above 28/10, 20m north of the ridge, on a grassy, boulder-strewn slope.			Body-sized vertical slot leads down 1m to a 1m high chamber, 5m by 3m, with rocky sloping floor. Choked. No draught.	Expedition Report 2005
X	30/10		2005	345438	4788443	1202		On Cueto la Requexada, at an altitude of about 1200m, about 20m from the ridge, just below a tree.			Small hole, 2m deep, goes nowhere. It's possible that this is the same as 28/10.	Expedition Report 2005
O	31/10			345210	4788837			GPS puts this about half way up cliff face on true LHS of Extremero				
X	32/10		2019	344502	4788721	1511					3 m drop into chamber choked with calcite.	
X	33/10		2019	344848	4788903						Low arch with small wall below it leads to rubble floored chamber ca. 6 m by 2 m. Packed rubble floor, no draught.	
X	34/10		2024	345040	4788866			Hole in the rock face.			Goes back ~3m before closing down with no way on. Second entrance provides v.short through trip. Used by animals.	Expedition Report 2024
X	35/10		2024	344862	4788878			Very small alcove in rock face			Does not continue.	Expedition Report 2024
O	36/10		2024	344483	4788615			Extremely narrow rift just down from 5/10 from which a cold draught emanates. Far too small for entry, but the draft makes it worthy of a number, particularly as the draft in 5/10 was thought to come from the surface.				Expedition Report 2024
O	37/10		2024	344452	4788617			A narrow rift down which rocks tumble for a bit. It could potentially be dug below slightly to enable access to where it appears to widen.				Expedition Report 2024
O	38/10	A-Hole cave		344965	4788966			Prominent iscoteles triangle or A-shaped entrance in the cliff of Cabeza Llambria, opposite 2/10. First recorded in 1989 but as yet believed to be unentered.				
O	39/10			344985	4788930			Spotted from below but as yet believed to be unentered				

Area 11

/	1/11	Pozu Optimisto	1981 1993	343330	4789940	1590		The difficulty of finding this cave is legendary. Halfway up (60m below the ridge) a fracture-controlled valley, about 80m long, with strike 20 ° , in a fairly even northwards-facing slope, south west of the Jou de Ario. The bottom of the gulley is a shakehole 20m long by 5m wide with a path running through it. Above this is an open 20m deep shaft, 6m long by 3m wide, with an inscription on the top of a boulder on the western brink. A rock bridge separates this from another shaft.			See Refs.	Proc. 11, Expedition Report 1993
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/	2/11						225 Cabeza Forma 276 Cabeza los Campanas 146 Cabeza Julagua 180 Ario saddle	From the valley (approximately 400m north of Ario) a cairn is visible above the cave. Marked 'OUCC 2/11' badly.			Climb down 3m in entrance cleft to head of 10m ladder pitch, rigged off natural plus long wire through thread above. Lands in gently sloping, bouldery rift chamber. At lower south western end is an easy squeeze through to continuation of rifts which become too tight. To the right an outlet has cut down into another chamber but way on requires hammering. To the left an undescended 8m pot is found. Cave trends 290 ° – 60 ° . Back at the bottom of the pitch, a crawl leads off either side; upwards to the left, downwards to the right. These rifts lead down to the top of a parallel rift that can be free climbed down for 15m to boulders.	
O	3/11						156 Cabeza Forma 112 Cabeza Julagua	Small bedding crawl at base of cliff above col on left hand side, 50 feet above green col.			Undescended.	
X	4/11			343515	4789942			Unlikely entrance at foot of 6m deep and 10m across green basin at foot of valley on path. 100m closer to Ario than 3/11.			A wide crawl leads to a 5m pitch into a choked rift.	
O	5/11			343447	4789981			Obvious shaft with snow plug, on right hand side of path towards Ario, at foot of valley. Marked as unfinished by SIE. No OUCC mark.			Undescended. This might be the same as 39/11, but the coordinates don't agree.	
O	6/11							Sheep shelter at base of 2m high cliff 10m above 5/11.			Unentered	
/	7/11			343702	4790148			Forms a large feature near a cairn on the col overlooking the steep drop to Pozu Los Texas. Walk down boulder slope to foot of 12m cliff.			Cave floor is covered in animal droppings. Crawls lead off. Not investigated further.	
/	8/11	Pozu Sierra Forcada	1992-93	343929	4789932	1613		Almost on top of the cairned ridge running at a bearing of 340 ° northwest from Cabeza Julagua, just on the right hand side (away from Ario) near a cairn. Large obvious entrance with perched boulder over top, tarpaulin in the entrance and bushes growing. Faded SIE marked 84.	2096	156	Part of Sistema Sierra Forcada. See Refs.	Expedition Report 1992, Proc. 14
X	9/11					~1630	095 Cabeza Julagua 140 Cabeza Las Campanas	About 200m from Ario Refugio (bearing 20 °) on second green ridge. Faint SIE mark, not marked by OUCC.			Entrance is 1.5m by 5m trending 30 ° . Opens out to 3m by 10m. 12m shaft with short climb at foot of ladder which leads to a boulder floor with no way on.	
X	10/11	Leg of Mutton Cave				~1605	352 Cabeza Las Campanas	On north west side of Cabeza Julagua Entrance at lower end of large obvious cleft running down across the hillside. Marked OUCC 10/11.			Entrance squeeze through boulders is followed by a 5m climb to a bouldery, bone scattered floor sloping towards an alcove. From this point there is no way on, but a 2.5 climb up reveals a small alcove to the left with a too tight inlet beyond, which may be hammerable. These seem to be continuations of the surface fracture. Seems limited in potential.	
/	11/11					~1575	275 Cabeza Las Campanas 220 Cabeza Forma	Unmarked. On green grassy gryke, 15m north of the green path running east from Cabeza Las Campanas.			6m pit with very mossy sides and possible dig at the bottom. Distinctly unpleasant.	
/	12/11						298 Cabeza Las Campanas 210 Cabeza Forma	On the south side of the same valley as 2/11 and 11/11, at the same height as 2/11. 10m south of the green path from Cabeza Las Campanas.			Hopeful looking rift leading southwards and soon gets to a point where minor gardening may allow further progress. Worth another look.	

X	13/11							On the SE face of the first ridge, about 600m on a bearing of 310 ° from the peak of Cabeza Julagua.			Small system with 5 separate entrances, 3 easily passable. Cleft in cliff can be entered into a rift about 10m long, access to entrance is easier at higher level and the rift widens out after about 2m, where small skylight entrance can be seen above. The rift closes down again, although it may be just passable, about 7m into cave, where daylight is visible beyond the constriction. This comes from one of two entrances in large cleft near ridge top, and this entrance gives access to the remaining 3m of rift beyond the above noted constriction. Doubling back under this entrance, the rift continues slightly to the right and can be followed for about 2m to an easy squeeze into a roomy chamber. The other entrance comes in above this squeeze. The chamber is about 5m long and slopes away from the entrance. Halfway down the right hand wall an inlet comes in along a tight sinuous rift through which the fifth entrance can be seen but is too tight. At the bottom of the chamber a rift leads off downwards but is choked after 4 metres by largish boulders. No way on or draught is apparent.	Proc. 14
X	14/11							In valley below 13/11, at bottom of shakehole.			Two large bouldery rills with trickling water draining into a shakehole.	Proc. 14
X	15/11			344071	4789880			On NW face of Cabeza Julagua 50m below summit, just above one of the paths leading to Ario. 2 Obvious entrances.			Right hand entrance: short climb up, obviously blind. Left hand entrance: entertaining traverse to reach sizeable entrance and vestibule about 4m long and 2m deep. Three ways off, all appear to be silted up. Bottom entrances seep water, and appear to be probably resurgence entrances rather than inlet entrances. Not speleologically exciting, but very obvious landmarks from valley below.	Proc. 14
/	16/11		1993				193 Cabeza La Forma 101 Julagua 345 Cabeza Las Campanas	On the NE side of Cabeza La Forma, 5m N of the path leading to the Ario Refugio and on top of a small spur.			Obvious hole in the ground. Triangular vertical shaft about 2.5m by 1.5m at the top and 10m deep. A tight crawl heads south, but becomes too tight.	Expedition Report 1993; Proc. 14
X	18/11	Pozu Small Snails	1993					15m east of the climbing wall.			A 3m deep hole with a connection through to 19/11.	Expedition Report 1993; Proc. 14
X	19/11	Pozu Rubber Clogs	1993					15m east of the climbing wall.			A 3m deep hole with a connection through to 18/11.	Expedition Report 1993; Proc. 14
/	20/11	Tradesman's Entrance	1993					30m down valley from 8/11, on the left: a narrow rift, marked "SIE".			Part of Sistema Sierra Forcada. See Refs.	Expedition Report 1993; Proc. 14
/	21/11		1993					Small entrance above 23/11.				Expedition Report 1993; Proc. 14
X	23/11	Entrada del Raptor	1993					Located in the valley about 40m below 8/11. Walking down from 8/11 the entrance is to the left of the valley floor, just after the main valley is joined.			Part of Sistema Sierra Forcada. See Refs.	Expedition Report 1993; Proc. 14
X	24/11		1993					A hole overlooking Mohandi. 80m SSE of 26/11; 130m north of 23/11. Marked 'SIE'.			10m entrance pitch lands on boulder slope, leading to second pitch of 8m. Bouldery floor descends, before suddenly ending in a wall. Hole 6m up can be reached by traversing from top of second pitch, but the rift becomes too tight.	Expedition Report 1993; Proc. 14

/	25/11							In left (East) side of long depression to west of 26/11 and 27/11.			Small draughting dig.	Expedition Report 1993; Proc. 14
X	26/11	Pozu Mohandi	1993					The entrance is located on the slopes overlooking the Mohandi valley, about 50m above the valley bottom, right of what looks like a fossil resurgence.			Part of Sistema Sierra Forcada. See Refs.	Expedition Report 1993; Proc. 14
O	27/11		1993					Near 26/11. Looks like a fossil resurgence.			A big draughting hole	Expedition Report 1993; Proc. 14
X	28/11		1993					A strongly draughting hole, downhill and to the right of 26/11.			A squeeze between loose rocks enters a too-tight rift.	Expedition Report 1993; Proc. 14
X	29/11		1993					In Mohandi valley, just above the springs, behind a car sized boulder.			A horizontal gravel, which splits just inside the entrance. Both routes choke quite quickly.	Expedition Report 1993; Proc. 14
O	30/11		1993				139 Julagua 166 Area 11 survey cairn 219 Cabeza Forma 281 Cabeza las Campanas	Small shaft in small north-facing depression, 10m below top of ridge (On Cabeza Julagua side).			Entrance climb of 2m leads to short crawl. Doesn't look as if cave continues through crawl.	Expedition Report 1993; Proc. 14
O	31/11		1993					At base of cliff on the ridge above 26/11 (63.30m north, 11.18m west and 28.08m above 26/11).			Small draughting crawl.	Expedition Report 1993; Proc. 14
O	32/11		2002	344360	4790248			Big obvious cleft on NW side of Julagua bowl. Huge chamber leads off into side of bowl.			Big entrance to chamber 15m by 20m, very old calcite choked rift at bottom.	Expedition Report 2002
X	33/11		2002, 2023	343870	4789779						15m shaft rigged from naturals to a total choke, no way on, no draught.	Expedition Report 2002, 2023
O	34/11			343692	4789895						Strongly drafting choke.	
O	35/11			343395	4790048			About 50m south of path at foot of small cliff.			Squeeze through boulders to climb down at left hand side of entrance.	
X	36/11			343467	4789963						Bedding plane crawl chokes after 1m.	
X	37/11			343470	4789954			50m south of path.			Climb down 4m in rift; crawl chokes after 1m.	
/	38/11			343452	4789869			At the head of small valley 50m south of the path with a 2m high small cliff above is a very strongly draughting grassy hole.			Three entrances. A: small, tight grassy hole with strong draft; diggable but probably doesn't go. B: around the rocks from A; horizontal crawl into boulder-choked area; cave visible beneath; good digging potential; drafts. C: sizeable rift uphill from A and B; descended 10–15m in total, where rift closes. Worth another look.	
O	39/11			343611	4789892			Big obvious tall entrance, 5m south of path, with small tree at top.			10m pich in a rift with small amount of snow at bottom. This might be the same as 5/11, but the coordinates don't agree.	
O	40/11			343750	4790124			10m pitch in rift.				
O	41/11			343802	4790040							
Area 12												
O	1/12							Visible from Oston, at an altitude of about 1150m. A round transected phreatic passage in a cliff. This will require a tricky climb to reach.				
O	2/12							To the left of 1/12 at an altitude of about 1050m. A huge hole (about 15m by 10m) lurking at the head of its own little gorge, with a small wood in it. Looks like a fossil resurgence for 2/7.				

O	3/12						Below the Oston – Carmamena path and marked on the map. A massive hole leading in the direction of Carmamena. This might have nothing to do with 2/7.				
O	4/12						About 150m above and slightly to the left of Cueva Culiembro, looking like a transected phreatic passage. Access would require being guided from the other side of the gorge, using radio or semaphore.				
O	5/12						Between the Valle Extremero and Valle de Trea, about 2/3 of the way towards the Trea path, and about half way up to Huerta del Rey. Looks like a scoop but difficult to assess.				
X	6/12						On Culiembro path, obvious large entrance in cliff at altitude of around 800m.			Might be 3/12. Chokes immediately.	Proc. 14
X	7/12						A bit below 6/12, another large entrance.			This might be 3/12 too. An artificial staircase of rock leads up to a wooden fence across the entrance. Chokes immediately.	Proc. 14
X	8/12						Follow the higher of the two Culiembro paths from Oston. Where it starts zig-zagging down the valley go straight on at the first bend and follow a goat track round onto the rib. Climb down and continue traversing downwards to meet a narrow and exposed goat track round the edge of the rib to suddenly arrive at the cave.			Chokes immediately.	Proc. 14
X	9/12						Same height as Oston, on a bearing of 50 ° to Oston. Triangular entrance 3m high, 1.5m wide.			Chokes immediately.	Proc. 14
X	10/12						40m above 9/12.			Large entrance under overhang with fir tree in entrance. Large chamber with artificial walls at back. Crawl at back chokes immediately. Climb to right leads to second chamber with 10cm wide continuation.	Proc. 14
X	11/12			344972	4789928	1431	A large triangular cave entrance.			15m long, 8m deep.	
O	12/12			346133	4789944		Note: GPS locations for 11-14/12 are of unknown provenance, but would seem to put these caves well within Area 4				
O	13/12			345511	4789944						
O	14/12			345459	4789854						
O	15/12		2005				On the flank of Cabeza Llambria, above Culiembro, at an altitude of about 835m, in the main rib on that side of the mountain, just above some trees in a small gulley within the rib. The cave was spotted from the other side of the gorge, and is believed to be above the further reaches of Culiembro Cave. A circular entrance, estimated as 5m diameter.				Expedition Report 2005
O	16/12		2005				A large rift entrance about 100m above 15/12.				Expedition Report 2005
O	17/12		2005				On the flank of Cabeza Llambria, towards Oston, in a rib to the left of a fault-controlled gulley, slightly lower than Oston. A large entrance in a cliff face.				Expedition Report 2005
O	18/12		2005				An impressive rift, just above Culiembro Cave, visible from the road.				Expedition Report 2005

Area 13

/	1/13	Pozu de los Texos	SIE					Huge entrance, about 500m westish from Vega Maor.			Pitch of 93m from east side of shaft drops into 30m wide passage, descending to streamway, reported as 200 litres per second, sumping in both directions. May be worth diving.	
X	2/13	Pozu Joon	SIE					200m south of Pozu de los Texos.			Single pitch of 128m. Side passages are marked at -88m and -110m.	
X	3/13	Pozu les Cuerries	SIE					Near Collado las Cuerries, north of Vega de Mohandi.		545	A complicated cave, with two series, terminating at depths of 212m and 545m. The latter intersects a large streamway, believed to be the upstream continuation of Cabeza Muxa.	
X	4/13	Pozu Cabeza Muxa	SIE 2022	344201	4790375			Huge entrance below Cabez Muxa.			Entrance shaft has pitches of 26m, 11m, 15m, 4m, 4m, 7m, 3m, 10m, 37m, 247m, 102m to depth of 600m, where a large stream is met. Upstream seems to end at a lake needing a boat after 300m. Downstream descends pitches of 5m, 4m, 6m, 3m to 150m of open streamway. Then a 6m pitch, followed after a further 100m by pitches of 9m, 8m, 6m, 6m, 4m, 4m, 14m, 10m, 3m, 11m, 21m, 4m, 10m, 6m, 6m, 6m, 7m, 6m, 15m, (over a horizontal distance of about 600m) ending in a sump at a depth of 906m.	Expedition Report 2022
X	9/13	Pozu de la Cemba de Joulagua						North of Pozu Cabeza Julagua (8/11)			An 8m drop to a bouldery floor, with a small climb down at one end, which is choked.	
/	10/13	The Windy Cave of Oston						Oston Area. About 200m along the ridge W out of Oston towards Ario, a small drafting hole 10m to the left of the path.			Sharp horizontal, triangular entrance enters hading rift about 1m high. After 10m this opens to a chamber with old stal and choked passages ahead and to the left. To right, 3m climb to junction. Right leads to crawl after 4m. Unexplored. Left is more open and drafty and leads after 20-30m of easy going to crawling over fossil stal. Unexplored beyond.	
X	11/13			344326	4790074						Choked hole, strong draught. Short section of passage accessed by climbing down into the bowl and entering the other end of the cave, follow passage up to other side of choke.	
O	12/13			344312	4790088			Open entrance, can see into small chamber.				
/	14/13			344660	4790129			Gully climb down into bottom of huge shaft. Passage off to right covered in moonmilk and calcite. 4" hole at end echoes and stones thrown through rattle down a pitch. Easy digging, with hammer and chisel.				
X	15/13			344644	4790030			Small shakehole. Oval entrance leads onto 5m pitch.			Passage below chokes after about 5m.	
X	16/13			344754	4790125			Narrow rift entrance pitch.			Narrows off to choke after 25m.	
X	17/13	Pozu Chicago	2003-08	344791	4790105	1446					See Refs.	Expedition Reports 2003, 2004, 2005, 2006, 2007, 2008
O	21/13			344719	4790174			2m by 3m oval hole, about 20m deep.				
O	22/13			344874	4790742			6m deep to apparent choke.				
X	23/13			344707	4790041			Large cleft in north side of shakehole directly south of Chicago, just over the ridge at the end of the valley of the orange rock.			10m climb down boulder slope to fork followed by 2 chokes.	

O	28/13		2005	345345	4790531	1187		6m from path, near Oston. Small opening 1m wide, beneath limestone roof. Can see into bedding plane. No significant draught. Large block could be passed if required; alternatively, more digging to right would create easy entry.				
/	29/13		2005	345626	4790494	1124		Near Oston. Large entrance 5m wide by 4m high, used by cattle. Walled building at back of cave, through door. Hands and knees crawling in phreatic passage, 1m diameter, continues unexplored. Back in entrance chamber, steep climb up may have a possible way on, but does not look promising. Nothing appears to be draughting.			Sounds a lot like 10/12	
X	30/13		2005	345544	4789984	1044		The cave stands out when viewed from Oston, and looks inviting. Hole in cliff, 15m up in right hand side of steep valley, second valley over from Oston. Very difficult scramble leads to entrance set back in cliff and covered in bushes.			Entrance is 3m high by 2m wide and ends in a complete choke after a couple of metres. A small hole in the roof shows zero promise. Sounds a lot like 9/12	
O	31/13		2005	345666	4790565	1080		Near Oston. Small shaft, about 4m deep, blocked at top. Would require crowbar. Unable to see what happens off from one corner at the bottom.				
X	32/13		2005	344866	4790684	1380		Near Cabeza Muxa.			Entrance 3.5m diameter phreatic tube, rising to a skylight at far end after approx. 20m. Used as a sheep shelter. Passage branches and probably goes to the surface. No draught.	
O	33/13		2005	344480	4790377	1477		Near Cabeza Muxa.			Large open shaft with snowplug in the bottom. Visible draught, and several blowholes around the snowplug. Hole in WSW corner looks most promising. Rift in bottom is 2m wide by 17m long. Very impressive!	

Area C

X	C3	Sima Verdelluenga	1982 1994-95	342562	4787688			Uphill from La Jayada. Just below the ridge on the Ario side, a 10m x 4m cleft containing the shaft mouth, just below a subsidiary ridge.	4565	644	See Refs.	Expedition Reports 1994, 1995. OUCC Procs. 11, 14.
X	C4	Torca del Regallon	1982 1996-97 2002 2014-17 2022	342487	4787907	1849		At the same altitude as C3, further over on the ridge towards La Verdelluenga. A subsidiary spur of the mountain meets and crosses the ridge, and in the fold between them is the rock-filled pit containing the entrance. A bit below 16/9 on the (true) left hand side of the valley in an area of karst with lots of blind shafts.	1360	588	See Refs.	Expedition Reports 1996, 1997, 2002, 2014-16. OUCC Procs. 11, 14
X	C6						328 Gustuteru 263 Jultayu 173 Robliza				A 17 m shaft to a choke.	
/	C7						352 Gustuteru 286 Jultayu 286 118 Verdelluenga				A snow plugged shaft.	
/	C8		1994	342507	4787688	~1950		On a north facing slope high on a ridge that is directly east of a parallel to the main La Rena ridge which heads NE from the summit of La Verdelluenga.			See Refs.	See Expedition report 1994; OUCC Proc. 14
X	C10							The cave is slocated down slope from C3; there is a small knoll containing a depresion: the cave lies inside this.			Narrow slit leads, after 4m climb, down to small chamber; two 2m climbs down lead to the head of a 13m pit into a boulder filled chamber.	

X	C11						028 Regallon 268 Cuvicente	A man sized hole was opened in a bouldery rift.			A 20m pitch is followed by a vertical constriction, which bells out into a 20m pitch, landing in a chamber with a boulder floor. No way on.	
X	C12							200m lower than C3.			A big hole filled with snow. No way on found.	
X	C13		1995					On the east side of La Rena, just below the fault line which crosses La Rena up ridge of El Regallon. The entrance is a long rift trending NE/SW (8m by 2m) with a rock bridge.			A 20m pitch rigged from a bolt on the rock bridge lands on a snow plug. Climbing 5m leads to a second 20m pitch landing on a boulder floor with a small draughting hole. A small window 5m above floor can be penduled into but becomes too tight.	
/	C14		1995					On the east side of La Rena, 100m from C13 on a bearing of 054, NE of C16, on the left side of the main fault from La Verdelluenga to Tras la Jayada. The cave is a rift in the top of the plateau between El Regallon and La Jayada which continues under the surface on a boulder floor.			The cave continues and drafts out.	
O	C15		1995					15m below C14 and 6m towards El Regallon, an undescended shaft in the rift.				
/	C16		1995					From new Top Camp head through the pass in La Rena and follow evident rift (terminating at C14).			C16 is a 15m deep section of rift with steep walls and chocked boulders. A draft can be felt from the boulder floor.	
O	C17		1995					30m from C13 on a bearing of 152.5. The entrance has a characteristic large rock bridge.				
/	C18		1995				121.5 Cuvicente 075 Cabeza Llambria	10m below last peak of La Rena			A 14m diameter shaft, partly filled with snow, ending in a drafting boulder choke.	
O	C19		1995					On main ridge from La Verdelluenga to Cuvicente, 10m below C8.				
/	C20		1995					In shakehole on Top Camp side of C3, at point nearest C3.			A 4m climbable shaft leads down into a small entrance chamber. A short floor level crawl leads in to a second chamber. A further crawl on the opposite wall leads through a sharp right turn to a small choked chamber. A slot in the floor leads down a fifteen metre pitch to a rift with steeply sloping boulder floor. At down slope end the rift becomes too tight but stones can be thrown through a gap in the boulders and fall some distance. Digging is awkward but some progress was made to enlarging the hole.	
X	C21		1998					Near western col of Cuvicente-La Verduluenga ridge. 10m NW of C3, on the E edge of shakehole.			10m pitch. Bottomed.	Expedition Report 1998
O	C22		1997			1773		Down the ridge E of El Regallon(?). 43.13.8N, 004.56.2W			Small hole in base of shakehole with incredibly faint draft.	
O	C23		2005	342527	4788118	1875		A collection of interconnecting shafts, about 10m deep. Undescended.				
/	C24		2008	342583	4787727	1932		About 50m north of C20. Near small shakehole above a larger shakehole to the east.			A 5m pitch lands on a boulder slope, followed by a 2m drop. This is followed by an undescended pitch, with a 2 second drop.	Expedition Report 2008.

X	C25	Pozu de los Cinco Anclajes (Five anchor pot)	2008	342889	4788211	1776		On a ridge heading down towards Ario from Area C. Large green shaft. 2 or 3 second rattle. Note: This is definitely in Area 9.		~25	Descent from Y-hang between glistening green walls to a smooth mud floor, broken with short rock steps and leading to the slope of rocks that depth-testing rocks had rolled down. Further downslope reached an apparent junction, left was just an aven reaching halfway to the surface, right turned a corner and dropped down into a mud-floored chamber only a few metres across. At the deepest point of the chamber, the mud rose up the other side to build a mud bank which blocked further progress.	Expedition Report 2008, 2016
Area D												
X	D1							Labelled 12/8 incorrectly.			Two pitches (15m, 20m) seperated by a rock bridge. At the bottom are two small chambers.	
X	D2		2024	342427	4788628	1778		In La Jou de las Cuevas. Follow the ridge from snow pole to Vega de Aliseda. Continue in the same direction for about 150m to large obvious entrance shaft, visible from knoll above new Top Camp.		~100	The shaft is 30m by 5m, split in two by a rock bridge at -20m. The pitch is rigged from two bolts on the edge of the shaft. Rebelay at -5m gives a descent on to a snow plug at -50m. Two rebelay on opposite wall follow down the side of the snow plug to a 45 snow slope which ends with no way on approximately 100m below the surface.	Expedition Report 2024
/	D3		1995, 2024	342446	4789230			10m north of D2. Entrance has a Polifemo '81 paint mark.			An awkward 4m climb down the shaft leads to a small hole at floor level. A fifteen metre pitch can be rigged from naturals here (needs a rope protector) through the hole. Penduling into a window at -10m breaks into a rift leading off left and right. At the base of the pitch a tight rift leads off. This is a lower level of the right hand part of the rift from the window. Heading right leads across two blind pitches before terminating below several inlet avens. Some of these where climbed for almost fifteen metres before they closed down. Heading left from the window leads to a free climbable pitch. The rift continues before closing down, with a pitch beyond the constriction. The constriction has yet to be pushed.	OUC Proc. 14, Expedition Report 2024.
X	D4							From where ridge to snow pole joins Vega de Aliseda go right. Another track goes left to D2. The cave is the first depression on this track. There is a medium sized menhir in D4b. D4a is easily visible from the other side of the shakehole as a black hole.			Both are blind shafts, 2m and 4m deep respectively.	OUC Proc. 14
/	D5	A Dig	1979					First discovered on the 1979 expedition. Walk W along Vega de Aliseda towards direct route to Lagos and descend last shakehole.			A slightly jagged 1m by 50cm entrance to 4m drop (climbable with care). Very good draft can be seen as steam from cave. The cave has a diggable boulder floor and is often snowplugged.	OUC Proc. 14
/	D6	William's Wolf Trap						On W side of Gusterteru. Turn N from Vega de Aliseda on route down to Sod 4 and walk for about 20m. A hole dug under the small climb on path.			A loose slope leads into a small chamber, drafting from a tight rift to the south.	OUC Proc. 14
/	D7		1997				152 Verdelluenga 274 Conjurtao	By the Vega de Aliseda moraine. Head direct from new Top Camp to orange rocks N of Vega de Aliseda moraine. Stop at prominent shakehole about 30m before reaching Vega. Prominent back wall has yellow/brown staining and a small bush growing out of it.	65	110	Climbing down through large boulders for 3m leads to a small chamber. This is followed by four pitches in quick succession Red Rolf Digging (P29), Gardeners World (P44), P11 and Misfit (P13). Some possible ways on at the bottom remain unexplored.	Expedition Report, 1997; OUC Proc. 14.
X	D8	Torca del Vasco	1996	341859	4788564	1780		The cave is located on the southern edge of the Vega de Aliseda, slightly to the west of the terminal moraine. The entrance is a six metre by four metre shaft, hidden from view unless standing on the rim of the shakehole.	1387	376	See Refs.	Expedition Report, 1996; OUC Proc. 14.

/	D9			342122	4788681	1717		2 shafts 20-25' deep in bare sloping rock on RHS of gully.			Base of deeper shaft looks diggable and drafts.	Expedition Report, 1996; OUCC Proc. 14.
X	D10		1996					Just round corner from D9.			Chamber 6m wide/long. Dry — good potential cache. No potential.	Expedition Report, 1996; OUCC Proc. 14.
X	D11			342170	4788772	1807		50m further on from D10.			2m climb down into dissolved hollow, A further 5m climb down a slot under a wall. Could say optimistically it is diggable.	Expedition Report, 1996; OUCC Proc. 14.
X	D12		1996 1997	342111	4788835	1765		172 ° to La Verdelluenga; 228 ° to Pena Santa [!] From the climb where you normally leave the Vega Aliseda path to get to Top Camp, continue instead for another 20m past the cairn. Turn right at the next cairn and follow a small valley NW. Climb out of the valley to the highest point on its left and you are now in sight of the entrance.			25' shaft into a 4m by 6m chamber. Trickle of water in one corner and hole in floor to very small canyon. Climb over final meander gives some pretty formations, but ended in a choke after 10m.	Expedition Reports, 1996, 1997; OUCC Proc. 14.
X	D13	Bump Top Hole	1997	342196	4788725	1814		NW of D9 and 40m lower.			Climable meander descends 10–15m to further pitchhead, a 10m pitch into canyon. Soon choked. Slight rattle and intermittent draft.	Expedition Report 1997, 2024
X	D14		1997					Due W of D9 and 30m lower is "shepherd's cave". D14 is about 25m N of this, descending gully in loose rock.			Chokes after 20m.	Expedition Report 1997.
X	D15		1997	341231	4788853	1733	146 Verdelluenga 180 next peak W (Cabrones?)	Geographic co-ords: 43.14.146N; 4.57.321W.			Awkward 5m climb down obvious fissure entrance chokes about 25m down. Rebecca skeleton in 1997.	Expedition Report 1997.
O	D16		1997 1998				141 Verdelluenga 180 next peak west (Cabrones?)	Follow Vega Aliseda to W end, and turn north into large doline. D16 is large shaft on N edge of doline.			20+m pitch to snow plug and choked chamber with inlets. Possible connects with drafting squeeze in D17.	Expedition Reports 1997, 1998.
/	D17		1997	341198	4788619	1773		50m W of D16 and on the same bedding/fault. Geographic co-ords: 43.14.019N, 4.57.342W.			1m x 2m meander descending at 45 ° for 15m to small chamber with four small outlets. Needs digging. Drafts out.	Expedition Report 1997.
/	D18		1997	341174	4788362	1848	130 Verdelluenga 172 next peak west (Cabrones?)	Follow path W uphill from end of Vega Aliseda. Entrance under cliff which bounds right hand side, about half way up. Geographic Co-ords: 43.13.884N, 4.57.355W.			Ramp descends 5m to diggable choke with draft.	Expedition Report 1997.

X	D19		1997				139 Verdelluenga 174 next peak west (Cabrones?)	On W side of small hill S of Vega Aliseda at W end. Large open rift with snow plug.			10m pitch down to rock bridge over meander. Obvious way on ahead follows bolt traverse over large boulder and down ramp on right hand wall to a 30m pitch into a very large boulder-filled chamber. 10m pitch at the far end of this drops into water-worn but thoroughly choked smaller chamber. Trending back underneath the entrance, the westwards continuation of the fault goes down 10m, 5m and 20m pitches. Through a small arch leads to a tall perpendicular rift passage, which appears to be upstream passage; this pinches out after 40m. Boulder floor by arch is effectively downstream and drafts, but is choked.	Expedition Report 1997.
X	D20		1997					An "obvious" entrance at the foot of an outcrop between the "notch" and the Vega Aliseda, skirted on either side by the two conventional routes to Top Camp.			A crawl from the entrance leads to a small rift. Round a few bends it enlarges to where a single ladder pitch lands on a false boulder floor. Left, a pretty, 7m high passage goes 10m to a drafting choke. A way through the boulders from the main passage leads to a descending rift that pinches out. Right at the bottom of the first pitch, going through boulders leads to another pitch (two ladders). Turning right at the bottom of this pitch leads to a boulder filled chamber with no way on.	Expedition Report 1997.
/	D21						171 Verdelluenga 143 Regalon 188 Cabrones	North from Top Camp in straight line towards small peak.			Mendip-esque sloping planar roof entrance, rope climb down (25m rope) green slope, short steep section, then gentler muddy slope to boulder floor. Draughting hole in boulders under calcite teeth can be free-climbed to smaller chamber, with 8m pitch in rift left undescended. Rattle of 1–2 seconds. I think this is the same as D13	
X	D22		2003	342167	4788564			Entrance on an inclined bedding, and the whole cave is aligned to it.			Climb down 8–10m into high rift chamber. Downstream small hole leads to 5m climb into rift passage going in both directions. Chokes in one direction, gets too narrow in the other. "Good lead, but come back in 10000 years!"	Expedition Report 2003.
O	D23			342218	4788376	1746		A 6m-ish shaft with snow at the bottom, but possibly a way on past the snow.				
O	D24		1997					Cairned entrance by D19.			Undescended.	Expedition Report 1997.
/	D25		1998					Previously numbered D98. Follow Aliseda path to cairn at turn off for Top camp. Head N (away from TC) and cave is found 250m N of cairn in direct line of sight to small peak. Where grassy slope meets lapiaz there is a group of down-dip entrances.			Good draft into cave. Entrance leads to 15m pitch with continuing passage above, then free climbable pitches of 5m and 10m before undescended 10m pitch. Good prospect.	Expedition Report 1998
X	D26		2024	341866	4788608			Near Torca del Vasco			Small chamber 3m x 5m and 2m high with no way on.	Expedition Report 2024
X	D27		2024	342031	4788624			8m shaft in the base of a broad and complex shakehole.			2m x 5m at foot of shaft with a patch of snow. Aven to the left and bowl where water goes to the right. Climb up was not attempted, no draft and no echo.	Expedition Report 2024
X	D28		2024	342100	4788595				20m		A 20m long cave. Enter descending hole, goes left then right. Rift on the right-hand side is too tight, other way also too-tight. No draft.	Expedition Report 2024
X	D29		2024	342337	4788510						A couple of meters long and full of flies.	Expedition Report 2024
X	D30	Paulina's Wolf Hole	2024	342568	4788680						12m long horizontal cave. 4m in there are 2 bends followed by a 4m section to a chamber and an exit (not passable). Contains lots of bones and animal droppings.	Expedition Report 2024

X	D31	Sardine Tin Cave	2024	342333	4788670	1519		2mx2m entrance at the base of a 3m outcrop.			4m slope leads to a chamber then ~15m horizontal passage ends in a dig. At the base of the slope there is a tight crawl not entered, no draft. 3 rebecca skulls and a sardine tin.	Expedition Report 2024
X	D32	Small Shaft	2024	342471	4788877						A rift which is ~1.5m at its widest can be rigged from naturals and descended for ~8m to land on a rubble floor. The rift is too tight at one end and closes down completely at the other. No draft. A small side passage approx. half-way down was not entered but looked to close down.	Expedition Report 2024
X	D33	Little and Large Pot	2024	342449	4788885			Twin shafts, the main one is 4m x 6m and ~12m deep, the smaller one is 1m x 1.5m and ~8m deep.			The Large shaft can be rigged from naturals and has a solid rubble floor with no way on and no draft. There is a tiny window 1m up that is too tight and a further hole at ~7m that probably connects to the adjacent shaft.	Expedition Report 2024
X	D34	Bowl Cave	2024	341717	4788754	1638		Entrance ~3m high x 1m wide in a small shakehole.			3m climb down a rift then 5m along to a choked chamber.	Expedition Report 2024
X	D35	Choked Cave	2024	342400	4788704	1500					Easy 5m free climb down to total choke. No draft.	Expedition Report 2024
X	D36	2 Eyes	2024	342569	4788817	1442		3m diameter entrance widens to a 6m diameter shaft which is ~13m deep.			The pitch can be rigged from natural belays, all ways on at the bottom are choked. A small amount of water enters via a separate hole.	Expedition Report 2024
/	D37	Eyrie Cave	2024	342495	4788912	1482		Hole in rock face with small alcove on right.			Drafting entrance is 3m climb down followed by 5m climb down requiring handline to a ~4m long small chamber. 1.3m above floor level is a 0.4m x 0.4m hole that drafts and leads to a parallel rift, this is a narrow thrutch for ~3m to a short undescended pitch.	Expedition Report 2024
X	D38		2024	342455	4788798						Smallish animal shelter with a boulder floor and a tiny hole on the right. No way on, no draft.	Expedition Report 2024
O	D39		2024	342703	4789000						Slot ~1m x 0.25m, can see in ~1.5m, inaccessible, no draft.	Expedition Report 2024
Area E												
/	E1		1982					On a direct line between Pico Gustuteru and La Verdelluenga.			10m pitch to snow plug. May be worth another look. Could not be found at the described location in 2022.	OUC Proc. 11
/	E2		1982					Around 100m to the south of E1; an obvious entrance.			Degenerates into a tight 15m rift pitch, which opens out into a very loose chamber. The only way on is blocked by snow. May be worth another look.	OUC Proc. 11
X	E3		1982					A small hole hole in a dolomitised area below the summit of La Verdelluenga.				OUC Proc. 11
X	E4		1982					Just to one side of the red-marked path to the Vega Seca.			A 12m pitch down to a crawl, to two loose climbs. The way on rapidly becomes too tight.	OUC Proc. 11
X	E5		2022	342346	4788195			To the South (left when walking from Area 9 to E) of the path to Top Camp, a shaft marked Polifemo 1982 Sima Estrecha.			A 3m deep by 2m long rift entered via a 1m diameter entrance. The rift is choked with boulders though there is a slight draught from under the phreatic roof. No draught and choked with pebbles (2022)	Expedition Report 2022
X	E6						350 La Rasa 195 Verdelluenga 110 Regallon				A 10m drop down a rift pointing towards La Verdelluenga enters a 3m diameter chamber with two avens. Clambering on down leads to a climb into a vadose rift choked with earth and small stones.	
X	E7						090 Regallon 180 Verdelluenga	A body sized entrance in a dolomite/grassy area.			Descends for two body lengths before closing down.	

X	E8					297 Conjurtau 165 Verdelluenga	Up the Southern edge of the grassy/dolomite band ascending towards La Verdelluenga, past the numerous holes marked Polifimo 17.8.82 on the right and SIE O opposite in the direction of a yellowish nubble. Just before the nubble and to the right.			A 9m long by 3m wide rocky floored phreatic tube remnant, no prospects.	
/	E9		1992 2001 2008	342163	4787982		Traversing to the right and ascending slightly for approximately 50m leads, via a long narrow rift filled with snow approximately 20m down to two imposing entrances below a subsidiary summit to the west of La Verdelluenga. The first is a shaft 10–15m deep to snow with a possible way on at the back and a connection to the next entrance marked E9.			From the base of a boulder slope E9 has a 10m drop to a steeply descending snow slope down an imposing 3m wide by 10m high passage. Both caves are still continuing, although are normally snow plugged. In 2001, the snow plugs were reportedly looking smaller than in previous years. Revisited in 2008: From the more northerly entrance, a 20m pitch lands on snow. (Alternatively, it is possible to pendule, climb and scramble to a chamber below the other entrance, looking down on the same point.) A snow slope descends along the rift to a more vertical descent past snow and ice, leading to a junction. Both routes choke with rocks and snow. In the right hand route, a climb up leads to a window overlooking the left hand route. Might be worth another look in a low- snow year.	Expedition Report 2008; OUCC Proc. 14
O	E10						Another shaft about 30m below E9 dropping 15m to snow.			Undescended.	
/	E10a		2008	342079	4787785	1960	A (second?) cave marked E10 but which does not fit the above description.			A large, descending passage, with snow. It is possible to descend to the snow, where light comes in from E26. Worth another look in a low- snow year.	Expedition Report 2008
X	E11						Situated behind the dolomite peak in area E, on opposite side of large shakehole from peak. Entrance is a small rift in wall above shakehole.			A 10m ladder climb leads down to a ledge. After a ten metre traverse above snow plug the rift closes down.	OUCC Proc. 14
X	E12		2001			346 La Rasa 082 Regallon	On N slope of La Verdelluenga. From snow pole head directly for El Regallon. Cave lies at about same height as snow pole across two low ridges (keep high). Above bowl shaped corrie with roches moutonnees. Horizontal passage at base of small crag. Now cairned above entrance.			The horizontal passage leads to a 20m pitch. A small window 4m above floor leads to a muddy slope. Climbing down slope breaks into the roof of a rift. 9m and 12m pitches follow. These land near 'Heels over Head,' the tight rift where Bertha needs further stabilizing. Squeezing past Bertha is tight and awkward. Below is a 10m free climb down through a rift to another tight squeeze, 'Bloody Finger.' Below this the rift becomes very tight, with no obvious sign of it opening. Survey in 2001 report.	OUCC Proc. 14; Expedition Report 2001.
/	E14		1997	342115	4787863		On N flank of Verdelluenga, immediately above F71 in an outcrop overlooking the valley below Top Camp, and directly to the W of The Green Tongue. 10m long rift with faded Polifermo markings.			Pot at N end is 15m deep but blind. Tight entrance at S end through a squeeze (The Mink) leads to a 45–50m pitch (Tubular Bells) rigged from natural belays with one bolt rebelay. Window through to parallel shaft 30m down, before landing on a small snow cone. Obvious hammered continuation on shelf just above snow cone is blocked by a "ship's prow" of rock, beyond which is running water, and a pitch. A good prospect, although probably related to F64.	
X	E15		1997				In area of bare limestone, down the ridge E of El Regallon. 200m on 255 ° from El Regallon. 43.13.7N, 004.56.3W.			Steeply sloping narrow streamway enters too-tight crossrift at –10m. No draft.	
X	E16		1997				Near E15. Obvious large double shaft at top of bare rock area.			10m diameter with a snow plug and boulder floor. No draft.	

/	E18		2005 2006 2008	342191	4787792	1962		High on the flank of Verdelluenga, above an obvious dolomite nubble with a limestone cap, about 30m south of the nubble.			This cave was originally found in 2005; it was descended in 2006 and again this year. A 5m pitch lands on snow. It is possible to descend a further 5m down a hole in the snow, but no passable way on. It might be possible to get past the snow in low- snow years.	Expedition Reports 2005, 2008
X	E19		2005 2006 2008	342172	4787757	1968		40m SE of E18, a hole by the snow field, and two shafts about 10m up the rock slope above.			The shafts connect with the lower hole; no way on.	Expedition Report 2005
/	E20		2005 2008	342107	4787766	1979		100m SE of dolomite nubble described above.			30m hang off a jammed boulder (deviation near top) lands on snow in a N-S rift, about 1m wide. To the north, a ramp slopes down to an underground chamber with an ice column, also reached from E26. In the middle of the rift, it would be possible to descend a 45° slope between rock and snow, but this looks unpromising. At the south end, a small chamber, just big enough to stand in, does nothing. To its side is Popsicle Passage, a short crawl over crushed ice, which reaches a clear ice flow in a small chamber with no way on. Might be worth another look in a low- snow year.	Expedition Reports 2005, 2008
O	E21		2005					Just downhill from E20.			30m long, deep rift, running NNE, with snow at bottom.	Expedition Report 2005
/	E22		2005 2008	342056	4787862	1910		Part way down the sea of limestone below E10, many grikes converge to a gulley, which leads to a 20m long shakehole.			No obvious way in, but draughts strongly. A lot of water probably sinks here in wet weather. Was dug in various places, but nothing looks like it is going to go easily.	Expedition Reports 2005, 2008
X	E23		2005 2019	342763	4788549	1761		Just above and to the north of col on ridge. Three shafts aligned to the north. Marked SIE			The shafts are about 20m deep, to snow, and connect underground. In 2019 it was possible to abseil past the snow 10 m below the entrance until a solid floor was met a further 20 m down. Beyond there was a walking passage with a strong draught. A second pitch of 7 m led to a further section of passage and finally a third 25 m pitch. In the big rift chamber at the bottom the draught emanated from a boulder choke, and for the time being at least, there is no way on.	Expedition reports 2005, 2019.
X	E24		2005 2022	342424	4788360	1736		In east side of shakehole. Faded SIE marking on wall.			Choked pothole. Needs a handline.	Expedition Report 2005

/	E25		2008					100m SE of dolomite nubble, on the right hand side of a scree slope, at the base of two rock towers. A door sized entrance overlooks a shaft, with a large chockstone above. Very close to the E20–E26 rift, but apparently independent.			20m entrance shaft, rigged from chockstone (needs a deviation near top). At the bottom, a way leads into a blind 3m diameter, ice-floored chamber. The way on is a climb down through a snow squeeze (two natural belays). This leads to a snow slope, another snow squeeze and another snow slope to a junction by an ice column. To the right at the junction, a climb down past chocked rocks and snow (natural belays) leads to a horizontal squeeze past snow, and then a low hole through snow. A snow slope (natural belay) drops to an ice-covered floor. Ahead and down chokes. Above is a possible climb, but it doesn't look promising. To the left is a hole down through the boulders, which seems to open out below; this was dug partially open, but a lot more rocks need to be removed to make it safe. To the left from the junction, another snow slope lands on a rock floor. A climb up leads to a decent size rift, which leads to the bottom of an 8m pitch, not ascended. Just before the climb, a tight drafting slot leads up; this is just-about passable, but ahead it becomes much too tight.	Expedition Report 2008
/	E26		2008					In the same fissure as E10 and E20, and between those two entrances.			SE-most entrance (E26a) is a 15m shaft past ledge to snow. Further down and round the corner over boulders reaches an ice column. Visible connection to E20 to SE, and E10 to NW. Second entrance (E26b) is 20m NW: a long slit into the fissure, not descended.	Expedition Report 2008
X	E27		2008 2022	342406	4788218			In the sloping bed of limestone below the NW ridge of Verdelluenga. Shakehole no longer has any snow (2022).			Fully choked	Expedition Reports 2008, 2022
O	E28		2008	342432	4788143			20cm high, 50cm wide hole in rock near top of a series of shakeholes. Stones rattle for about 3s. Nearby to the right is a 1m diameter hole in the rock, but this is blind.				Expedition Report 2008
X	E29		2008	342417	4788134			Fissure at bottom of a shakehole.			Tight, no draft, blocked by boulders.	Expedition Report 2008
/	E30		2008					In gulley up from E5 on (true) left hand side.			6m deep shaft ends in snowplug. Worth a look in a low-snow year.	Expedition Report 2008
X	E31		2008	342027	4787967			Near top of valley on RHS. Just off top edge of grassy slope, but in the rock.			Rift in rock, blocks up quickly.	Expedition Report 2008
X	E32		2008	342049	4787932			To the left of E14, a bowl with a few promising looking holes, which look unpromising on closer inspection.			Snow-filled hole on top RHS (true LHS), with good draft but blocked. A parallel shaft, unblocked, is too tight.	Expedition Report 2008
X	E33		2008					At bottom of bowl containing E32.			Hole blocked by boulders.	Expedition Report 2008
X	E34		2008					At top LHS (true RHS) of bowl containing E32.			Snow filled and unpromising. Probably connects with E32.	Expedition Report 2008
/	E35		2008	342032	4787937			About 20m to the left of E32 bowl. A complex of holes in the stone, somewhere SW of grassy slope.			Large hole about 14m deep down to snowplug. Snow continues under buttress on top side of hole. Current way becomes blocked by snow a few metres under buttress. A parallel side rift is clear but would need extensive hammering. "If it were on Mendip it would get hammered, but here it's probably not worth it."	Expedition Report 2008

/	E36		2008	342022	4787931			A little under 10m to the west and slightly up from E35.			A fissure leads in and down. The obvious way down is blocked by snow. About 2m in, a side rift is accessed over the top of a spike. This goes down about 2m before becoming too tight, but could easily be cleared by a hammer and large chisel. The floor is then blocked by boulders, but these could probably be moved with a crowbar. Stones indicate a drop of about 10m. Worth returning to.	Expedition Report 2008
/	E37		2008	342085	4787720	2011		Above E20, and just below the ridge, in rock to the right (true left) of scree. 3m climb up to small entrance.			2m crawl to where way is blocked by boulder. Passage continues beyond. Looks like easy digging.	Expedition Report 2008
O	E38		2008	342003	4787763	1994		Shakehole just below NW ridge of Verdelluenga, 50-100m down ridge from subsidiary summit. Could well be in Area F			5m narrow shaft, undescended. Looks unpromising.	Expedition Report 2008
X	E39		2022	342469	4788362						5m deep rift, choked at bottom	Expedition Report 2022
X	E40		2022	342351	4788136			Holes down under natural arch. floor visible 2 m below, rocks rattle a bit.			Solid roof meets boulder floor approx. 3 m down. diggable. no draught. some space beneath boulders but probably more boulders than space.	Expedition Report 2022
O	E41		2022	342311	4788089			Numerous modest shafts/rifts.			Biggest sounds choked but hard to definitively see bottom at all sides. approx 8 m deep.	Expedition Report 2022
O	E42		2023	342611	4788436						Roughly 1m x 2-3m hole, stones fall for 4-5s.	Expedition Report 2023
O	E43		2023	341949	4787939						Rift with ledges	Expedition Report 2023
O	E44		2023	341797	4787977						Slanted narrow rift	Expedition Report 2023

Area F

X		Sil de Oliseda	1983-1986 (GEM)	341988	4787209	2098		A visible crack in the wall of the head of the Llnuhrcrús, on the ridges above the Joon de Oliseda. GEM No. MS-42		806	See ref.	Subterranea 4
/	F1	Cliff Rift Hard	1982	341472	4787316	2069		Located on the flanks of Punta Gregoriana, and easily visible from Pozu Jorcada Blanca (it stands out as a shadow), this is a rift in the side of a cliff.			The 20m entrance pitch lands on a snow plug (23.7.82). Tackle: 22m rope, two long tapes to naturals.	OUC Proc. 11
X	F2	Pozu Jorcada Blanca	1982	341565	4787544	1967		A large generally snow-filled doline at the edge of a rocky plateau about 600m from La Verdelluenga on a bearing of 280 °.			See Refs.	OUC Proc. 11
/	F5		1984 1993				286 F2 337 Top Camp	From the col between F38 and F2, head up the gulley to the south. F28 is in the first flat bit; F5 is on the second flat bit, to the left.			Deep rift (8 by 2m at surface), trending 84 °. Large snow plug in entrance, revealing two pitches at either end of the rift (W and E). West descent: 20m pitch to snow plug revealed as 3m block of snow jammed in the top of the pitch. 3m gap to large pile of snow in the bottom of the rift. Pitch ends when narrow rift meets snow (at West end). Shaft appears to continue but is full of snow. East descent: 20m to the top of the snow, where a water drip had made a 1m wide by 20m deep hole down to the floor of the rift. This was explored but did not go. Continuing in towards the East leads down into a rift approximately 20m high and long. This had a solid stony floor and closed, both up and along, with no leads. 6m right (true left) of main F5 shaft a arrow crack leads into cliff face. Bottom chokes, but top might be hammerable. Very good draft. Bold step across shakehole into small phreatic tube leading into cliff. Tight, but might be passable. Slight draft.	OUC Procs. 12, 14

/	F6	Pozu Paso Doble	1989	341278	4787735	1899		Located approximately 500m west of Pozu Jorcada Blanca (F2), the entrance is an obvious feature at the base of a cliff formed in a distinctive bed of dolomitised limestone. The main pitch seems to be controlled by the same fault as the F20 entrance shafts.			See Refs.	OUCC Procs. 11, 13
X	F7	Pozu las Perdices		341452	4787726	1894		F7a–c lead into Pozu les Perdices proper. On a limestone pavement dipping at about 20 ° , approximately 210m distant from Top Camp on a bearing of 250 ° . The pavement is that leading from Pozu Jorcada Blanca down to the large scree-filled depression near Vega Aliseda.			See Refs.	OUCC Procs. 11, 12
X	F7d		1989	341472	4787742	1891		In the SE trending fracture ascending from F7b.			Open rift 8m long and 1.2m wide, about 10m deep to gravel floor (with little snow left in '89); both ends close off. A line is advisable.	OUCC Procs. 11, 12, 13
/	F7e		1989	341450	4787744	1889		Open shaft in SW trending rift ascending from F7b.			12m pitch hading southeast lands in narrow, sharp crawl leading SW along the rift, parallel to the vein-controlled F7c entrance 15m away; not pushed past a squeeze. Draughts and continues, expected to connect into Perdices eventually. Likely to be blocked with snow except in all but the lowest snow years.	OUCC Procs. 11, 12, 13
X	F7f		1989	341447	4787751	1886		A few metres downhill and left (N) of F7e; still above F7a.			Archetypal key-hole (revealed by clearing a few boulders), with leg-trapping lower section, is thrutched down to 5m pot (rope essential) still in daylight. At the bottom, a corroded flowstone cascade emerges from a 30cm wide phreatic tube up in the righthand wall; the main way down is choked with gravel after 2m.	OUCC Procs. 11, 12, 13
X	F8		1984	341519	4787805	1876					Collapse has rendered the entrance impassable. Previously a crawl through boulders at the bottom of a shakehole went into a small chamber with no way on. (5.8.84)	OUCC Procs. 12, 13
/	F10		1984	341602	4787754	1915		At the the start of the walk from Top Camp to F2. 'A huge shaft 20m deep with a snow plug in it'. On escarpment 50m SW from Top Camp.			First (marked) entrance is rift striking SE (not a very common direction!), and is sound connected to second shaft. The third is in the same rift as the first a few metres down (NW), but independent, and is choked with pebbles and four dead mornflake tins.	OUCC Proc. 12
/	F11		1984 1993					Above F57, but below F54, roughly on the same fault line.			A 20m drop, the first 5m freeclimbable. Below this narrow entrance, a drip enters, and the cave develops into a rift, down which 'stones rumble for some time'. 20ft climb leads to a pitch, 40m freehang to the bottom, which is choked. A window 20ft up from the base of the shaft is also choked. May be worth checking, because of its proximity to F57.	OUCC Procs. 12, 14
/	F12		1984 1993					20m away from F11 on bearing 10 ° .			Descended for 15m on ladder. Three ways on: (a) down, where stones bounce and crash; (b) across into an ascending passage; (c) along a rift. Chokes—at least on route (a). May be worth checking, because of its proximity to F57.	OUCC Proc. 12
X	F13		1984 1993	341987	4787533	2024		These readings do not agree with each other. Impressive rift-like entrance at base of cliff above scree slopes to SE of Top Camp, at the base of cliff with cross-shaped cracks. Would seem to be in Area E			Cave is 25m long (large walking-size passage) with a 10m climb at the end. Choked, but with a very good draught.	OUCC Procs. 12, 14

X	F14		1984 1988 1993	341866	4787669	1944		An impressive-looking hole in the hillside surrounded by very chossy shattered rock.			Through the hole is a chamber whose floor is covered in a snow cap 3-5m deep. This slopes down to a vertical slit 1m wide by 2m high, above a handline climb of 3m to another snow-covered chamber. A small passage goes on from the lefthand bottom corner for about 10m, ending in a small blind chamber. 'There are probably ways on under the snow' (4.8.84). A visit in '88 revealed no leads, although the other side of the snow-covered breakdown pile forming the floor of the entrance chamber could now also be descended to a blind chamber. Another return in '93 confirmed that there is no way on.	OUCC Procs. 12, 13, 14
X	F15		1984 1988	341799	4787763	1914		A very pronounced rift entrance underneath la Verdelluenga, visible from Top Camp cairn. Go up dolomite band along grassy ledge towards slit.			Slit is open snow-filled rift about 7m deep. In 1988 the remaining snow was found to rest on the floor. A crawl down the E end chokes after 2.5m; at the W end a boot-sized gap affords a view into a tiny cross-rift.	OUCC Procs. 12, 13
X	F16		1984 1985 1988	341842	4787704	1919					Two main entrances to this cave lead to a snow-filled chamber.	OUCC Procs. 12, 13
X	F17		1984	341637	4787694	1940		100m due south from Top Camp (and uphill). A long fluted rift, 10m deep			Blind rift	OUCC Proc. 12
X	F18		1984 1997	341726	4787628	1961		NW and up from F38			8m deep open pothole in long shallow surface rift striking 36 °, with connection to a second pothole SW. Chokes; re-checked in 1997.	OUCC Proc. 12.
X	F19		1984 1989 1997	341750	4787635	1950		East of F18, at edge of top level of pavement overlooking the depression below F38, in a fracture system on a 30 ° strike.			Open rift 1m wide and more than 10m long, hading 70 ° NW, with a snowplug some 10m down (in '89). Rechecked in 1997—no way on.	OUCC Procs. 12, 13, 14
X	Unmarked entrance			341138	4787635	2030		High up in the F20 gully (Argayo Cortado), in the lefthand wall (looking downhill), an entrance leads into a chamber with some remarkable fossil stal and possible continuations.				OUCC Proc. 13
X	F20			341184	4787684	1970		The entrance is not easy to find. Early in the exploration the standard route was to climb down to the bottom of Bog Alley and then to ascend to the left up a steep bouldery gulley. Later it was found easier to traverse at a higher level, crossing the scree slope on the way to F6, and to scramble up the steep rocks to the left. F20 is at the top of a moderate-sized scree patch, about 80% of the distance to the top of the ridge. The entrance is a small cleft in the rock.			See Refs.	OUCC Proc. 12
X	F21		1984	341139	4787744	1991		Just below F20, look for a folded, reddish, thinly banked limestone bed on the true lefthand verge of the gully and follow this diagonally upward until some 10m below the crest of the ridge. Climb down a fluted rock face and walk into the obvious entrance.			Shafts enter from above, through which blue sky can be seen (unless it's cloudy, or night-time). Eventually a huge rift is met which can be walked along (approx. 1.5m wide, 10m high, with daylight at the top (again, unless it's night-time). Ends after 20m. Climb through a hole to a balcony looking NW along the ridge onto the hill containing 2/6.	OUCC Procs. 12, 13
/	F22		1984					In tributary gully downhill from F20 and to the left off the main gully. Entrance is a large shaft near the bottom of a gully (R.H. side), a little higher than Top Camp.			The shaft is 10m deep. There may be a way on under the snow, but it's a bit near F20 to be very useful.	OUCC Procs. 12 (wrongly referred to as F23), Procs. 13, 14

/	F23a-c		1984	341204	4787751	1933		co-ordinates are for F23a. In platform on lefthand verge of the Argayo Cortado below F20, just above F36. Near F22, but lower down on the right.			25 foot shaft. F23A was reported blind in 1984 but all three openings seem to be sound-connected (certainly the latter two are). F23B is an impenetrable fissure with a 6 second rattle. F23C might go after shifting some large boulders, or there might be a horizontal link from F23A into the 'audible chasm'. NB F20 is not underneath but some 60m off sideways so this one might well go deep independently. Well worth checking out.	OUCS Procs. 12, 13, 14
X	F24		1984	341183	4787785	1933		On limestone pavement NW from F23; visible from Top Camp but difficult to access.			Large shaft about 10–15m deep. No way on at bottom of pitch.	OUCS Procs. 12, 14
X	F25		1984	341121	4787795	1959		On lefthand (true left: looking down) verge of the 'Brown Gully' (Argayo Pardo) just below where it crosses the Ridge.			Meander with skylights ending after 15m in a choked little rift. Thought at one time to belong to the 2/6 shaft system nearby, but it rather seems it once was part of a cave system underneath the fault-controlled Brown Gully itself.	OUCS Procs. 12, 13, 14
X	F26		1984	341133	4787831	1940		In the bottom of an amazing surface rift (rift is 20-25' deep) (6.8.84). At intersection of rifts downhill and northeast from F25 (well north of the Brown Gully)			Hole about 8m deep	OUCS Proc. 12
O	F27		1984	341187	4787815	1908		Halfway up the Argayo Pardo (Brown Gully), in lefthand verge (looking down), below the rift containing F26, and just above a car sized boulder.			10m entrance pitch; no way on at bottom.	OUCS Procs. 12, 13, 14
/	F28		1984	341739	4787489	2016		Below F5.			10m deep entrance shaft (opening out to 3x4m) leading to a snow plug. Rift trends into mountain and closes off after 5m. Graham-sized passage leads off to the left and then round a corner: 'couldn't get in it, Guv' says Jan (6.8.84).	OUCS Proc. 12
X	F29		1984	341249	4787862	1885		At base of depression at the bottom of the F20 gully. (Not found in '89 from this description; probably near F33.			15m entrance pitch to chossy floor with small snow pile. Daylight entering from West through unlocated entrance (possibly a depression with some snow at the bottom). Numerous narrow rifts enter, but pitch disappointingly closes off to a 1mm cleft in the rock. No way on (6.8.84).	OUCS Proc. 12
O	F31		1985	341288	4787900	1855		At S verge of grass field where the Verdelluenga thrust and the path to Ridge Cave re-emerge from the large boulder-filled Jou W of Top Camp and start to rise towards the Ridge.			A 1m diameter shaft. 11m pitch or awkward climb. Way on is obstructed by a large but removable boulder. Beyond is a boulder pile descending for 2.5m until it meets the roof. It is difficult to say whether a continuation to either side exists, though this seems unlikely.	OUCS Procs. 12, 13, 14
X	unmarked rift							25m SW from F31 (uphill).			3m climb and 3m pitch in south-trending rift lands on cobbles and snow. Tiny hole in south end gives view of floor 4m down. Alternatively climb back up 2m above hole, and thrutch forward in tight rift to look down an oval 80cm by 30cm shaft, ending at a similar level.	OUCS Proc. 14
O	F32			341853	4787581	1924		Beneath F5			A 1m × 4m shaft with a 3 second rattle. A snow plug is visible, but the shaft seems to continue.	OUCS Proc. 12
/	F34		1985	341205	4787833	1899		From Brown Gully, climb up NW verge into what looks like a big wiggly meander when seen from Top Camp. The first wiggle turns out to end at a rock wall but climbing up to the pavement and back down into the continuation leads to the entrance in a rift on 30 ° hading 50–60 ° E intersecting the meander.			Pitch 6m to boulders. From here, another 3.5 metres down to snow plug and boulder floor. Possible way on through boulders upslope; slight draught (28.7.85). Looks interesting and is well worth checking.	OUCS Proc. 12, 14
/	unmarked crawl		1986					On the left of the F20 gulley, very near the top, near where the gulley narrows. This was previously found by Paul Brennan in 1986, and is marked on Gerhard's map.				OUCS Proc. 14

X	F35		1985	341218	4787777	1911		At N edge of large sloping karren field traversed by the '85 route to F20 below its entry point to the F20 gully.			15m pitch, chokes, no way on (28.7.85).	OUCC Proc. 12
X	F36		1985	341222	4787740	1927		In F20 gully on lefthand verge (looking down), 30m before bottom end of gully (this being taken to be where the 1985 route turned left and the gully degenerates into an overhanging precipice).			Open shaft 10-15m deep, 10m long x 1.5m wide, choked at the bottom (28.7.85).	OUCC Proc. 12
X	F38		1985-87	341886	4787557	1920		Downhill and east from F19. Follow path east from Top Camp for about 200m and then up and to the right into a large boulder-strewn cirque overlooked by an arched alcove, usually above a snow field, in its southern wall. F38 is that alcove.			Enter past snowfield to large chamber with fine ice column (in 1985, at least!). Pool at back of cave is covered in a thin layer of ice. This was the Top Camp water supply at the end of '85 (3.8.85) and throughout the '86 expedition. The pool was gone in '87 and never seen since.	OUCC Proc. 12
X	F39		1985	341836	4787607	1915		Turn right about 50m before reaching F38. A small pothole under a rock wall.			5m drop past snow to a choke. No way on (3.8.85).	OUCC Proc. 12
/	F40		1986	341070	4787952	1937		Walk up the grassy slope from Ridge Cave. On the ridge turn right and walk down the ridge for about 100m to a large depression in very metamorphosed limestone. To the left of the depression is F40, a vertical crack about 4m by 1m. This cave may be worth another look as the draught was lost by the original explorers. This seems to be clearly in Area 6			See Refs.	OUCC Proc. 12
/	F41	Pozu del Polar Bear's Packed Lunch	1988 1993 1997					The cave is located in the karst between the scree slope running up to F13, and the Verdelluenga thrust. At about the same height as F13, bearing 204 °. In a very large shakehole. Alternatively: To the right of the house sized boulder in the middle of the Green Tongue. Traverse 50m upslope past large snow-choked shakeholes (F86a and F86b). The entrance lies at the upslope end of a boulder strewn shakehole.	86	203	See Refs.	Expedition Report 1997. OUCC Procs. 13, 14
X	F42						066 Top Camp	100m downhill from F57, in the second hillock on the right hand side.			Open shaft (P7) lands in choked cobble-floored chamber; all ways on lead back up to the surface.	OUCC Proc. 14
X	F43			341707	4787653	1954		In pavement just E of a shallow depression in N flank of the hills SE of Top Camp.			2.5m by 1.6m shaft visible only from close quarters. 15m pitch, choked at the bottom.	OUCC Procs. 13, 14
/	F44			341530	4787766	1881		In pavement W and down from Top Camp, 50m S of F8.			Square-ish doline 8m wide and 6m deep with an arched entrance in the E corner. Rift in SE corner of doline on S by E trend passes underneath skylight aven and leads to a drop after a few metres. A 2m pitch lands on top of second snow pile in 5m by 8m chamber with bedding plane roof. Descending the snow pile to the right gains a depth of 10m below lip of doline with two ways on: a crawl to the right ascends back to daylight under snow in the SW corner of the doline, while straight ahead, a narrow, draughting, descending rift with a snow floor remains unentered.	OUCC Procs. 13, 14

/	F45		1989 1992	341545	4787732	1900		A group of entrances located upslope (SE) from F44, just below the first of the large karren-riddled 'shoulders' on the way from Top Camp to Perdices and F20; F45B is the fluted, hading crack at the uphill verge of the shoulder.		The entrance is at a junction of two deeply incised vadose inlets spanned by a rock bridge and a large wedged boulder, a 15m SRT pitch (best rigged from the bridge) passes some ice flow ('89) at -10m and lands on the col of an extensive snowplug in a (2-4m wide) SE-NW rift. Descending the snow in the NW corner leads to a strongly draughting snow chute 5m further down, which was not descended. On the SE side, scrambling down leads to a point at which a possible way on past the snow is seen. Light entering above via F45B can be seen at this point.—Blocked with snow at -10m in 1992.	OUCC Procs. 13, 14
/	F46							Some 30m NE of F7D in obvious fracture trending 15 ° and hading NW. Take care, surface rock is VERY loose.		Rift in floor of surface meander. Rig rope from natural at top of gully, then another natural at top of entrance pitch (P8). Pitch lands on snow, from where continuation on NW wall (P6) lands on snow-covered false floor in intersection of four rifts, two coming down from entrance, while the other two carry on downwards but are very narrow. Pebbles hit more snow after 3–4m. A chisel would be needed to make this passable; a short pitch would follow immediately.	OUCC Procs. 13, 14
/	F47			341445	4787809	1864		20m N and down from large doline N of F7A.		Small doline climbable to entrance into chamber in its N side, with a 1.5m wide shaft breaking the roof of the chamber. Chamber has a dubious snow floor. From the roof bedding plane (strike 95 ° dip 55 ° N) a meandering passage has cut down on the NW side of the chamber. This was entered by rigging a 7m pitch through the skylight shaft, and left by ascending a tricky 2m climb to floor of doline and 1m and 3m climbs up out of same. Snow is resting on either ledges or floor 1.5m lower and remains a dubious affair. Descending 2 badly supported snow 'tongues' and a large chockstone in obvious rift down dip (N) leads to 30cm high bedding plane descending further to an estimated 10m drop but obstructed by large floor flake and roof stal. Impassable without hammering.	OUCC Procs. 13, 14
/	F48							30m W along fault (trending 73 ° hading 85 ° S) from F7A.		Shelf broken by three shafts into underlying chamber, The Vestibule, 15m by 5m wide. Rig down largest skylight from naturals, then rebelay from another natural to drop past the snow into a rift (35m rope needed). Looking back offers interesting views of VW sized holes supporting much of the snow in the Vestibule, while walking forward eventually gains a decent floor in a tall 2–3m wide by 5m chamber. Ascend boulder slope to the left to enter continuation of rift 50–80 cm wide after right hand bend, with chockstones at various levels. This was followed at floor level to where a well-developed pair of ramps betrayed the original flow direction (inward). Ahead, it is possible to drop down a couple of feet into the bottom of the rift, but this route becomes too tight. Traversing above the drop, the rift continues to a 10m pitch. Two short climbs are followed by a 6m pitch into a small chamber. A tight rift needs hammering, but may continue.	OUCC Procs. 13, 14

/	F49			341394	4787754	1882		Just a few metres further W along the F7A-F48 fault, in floor of 2m wide niche at the head of a shallow surface meander.			Wedged boulders with enticing and draughting black holes between them. Requires extensive engineering to force an entrance as the boulders are rather large. May only provide another entrance to F48.	OUCC Procs. 13, 14
/	unmarked entrance			341383	4787775	1865		Some 25m downhill (N) from F49, the F20 fault passes through a little doline (unmarked) on 68 ° strike, before crossing a bouldery grass field.			Through gaps in the boulder floor of the doline, snow is seen and a draught emerges. Looks diggable.	OUCC Proc. 13
X	F50		1988	341932	4787680	1943	296 Top Camp 138 spike on the ridge	Located behind F20, not far from F14 on a bearing of 296 ° to Top Camp and 138 ° to the spike on the ridge.			A slope down to a snow plug, choked.	OUCC Proc. 13
X	F51						141 spike on the ridge, 227 to the right of the Jorcada Blanca Pass	Located near to F50			An 8m climb down to a choke, no way on.	OUCC Proc. 13
X	F52						144 Verdelluenga	Located high on the steep slope to the left (as you walk towards Top Camp) of the sandy/dolomity valley. An impressive shaft belling out from a small unobvious entrance located part way up the steep rock slope to the left and above the path to Top Camp. The entrance is only visible from above.			The first pitch (25m) is easiest rigged with a ladder, the rest of the shaft can be rigged with rope in three hangs (10m, 20m, 15m). All ways on from the bottom were choked. Penduling to the right reaches a rift leading to a 15m pitch, choked at the bottom.	OUCC Proc. 13
X	F53			342098	4787944	1886	310 snow pole	Lower down the slope and to the left of F52. The co-ordinates would seem to put this well into Area E.			A 2m climb followed by 30 ° descending rift which becomes too tight.	OUCC Proc. 13
X	F54		1992				068 Top Camp	On the same fault as F57, about 30m left (true right) of the dolomite band, at the highest comfortable traverse level. A large shakehole, only visible from above, with a scree slope running into it from above.			The entrance shaft can be rigged from the eastern side (spike belay). This lands on the snow slope, but a small tube can be penduled into (bolt at entrance of tube). At the end of the tube are three ways on: to the right, a climb down soon becomes too tight; traversing forward, a tube continues before dropping back into the cave further down: this may provide an easier route. The original route was to rig a pitch at the end of the tube (spike belay) back down to the snow slope. The rope can be deviated from a spike through a hole in the snow, down into passage below. A snow slope (bolt belay) continues down to the start of a rift. The rift leads into a large chamber (where the alternative route enters from above). Here a climb over some boulders enters a continuation of the rift. The rift can be followed for some way; several chokes are encountered, but these can be climber over. At the final choke, a slot in the roof leads into a large chamber with an inlet coming in, and the continuation choked.	OUCC Proc. 14
/	F55							In F20 Gulley, 20m below F36, on true right, in a shakehole with snow.			Walk into chamber with two tight crawls continuing. Top one draughts well, but may just connect with rift on surface above.	OUCC Proc. 14
/	F57	Cueva del Arco	1993	341269	4787594	1950	112 Top Camp	An obvious shakehole on the hillside is visible from camp; this is choked with snow. Twenty meters higher is a large rock arch at the mouth of a large tunnel heading into the hillside. A strong draught blows from the entrance; in some conditions this can be seen as steam from Top Camp.			See Refs.	OUCC Proc. 14
/	F58							In the sloping karren above the F7 entrances.			A diggable slot.	OUCC Proc. 14

X	F59			341982	4787633	1968	302 Top Camp	On left-hand side of outcrop of limestone, halfway up green valley from Top Camp to La Verdelluenga, level with overhanging bluff.			Two entrances. Entrance A is a 7m deep shaft leading to bouldery floor with no way on. B is an immediately adjacent 5m deep shaft with a bouldery floor. A hole at the bootom gives a visual connection between the two shafts. Coordinates are from a surface visit in 2024, throwing rocks down seemed to go much further than this.	Oucc Proc. 14
X	F60							To the right (true left) of the Verdelluenga track, about 50m below the level of F41.			A 2m by 4m hole surrounded by jagged, loose rock. A snow slope descends about 30m to a snow and rock floor. No way on. Not a nice place.	Oucc Proc. 14
X	F61							Three entrances on the opposite side of Brown Gulley from F25, but higher up.			The left-hand entrance is a rift closing down to 3–4 inches at all levels. The middle entrance ends 5m down on a pebble floor. The right-hand entrance is a choked manhole just big enough to insert your legs.	Oucc Proc. 14
X	F62						111 Verdelluenga 129 Sphinx	Behind and to the left (true right) of climb over cliff, east of camp.			Obvious surface rift choked in places. 8m climb down, sharp in places, to choked floor.	Oucc Proc. 14
/	F63							Near the ridge, just south of F20 Gulley. Scramble down west side of ridge, and walk into a small shake hole. Originally numbered F58, but unmarked.			To the right is a shaft 5–10m deep. Ahead are two passages which seem to choke, but need checking with a light.	Oucc Proc. 14
/	F64		1993 1994	342042	4787746	1985		Hidden, impressive entrance, high up on Verdelluenga on steep slope. Just up and west a bit from E9.			See Refs.	Expedition Report 1994; Oucc Proc. 14.
X	F65						326 Snow Pole	Top left of La Verdelluenga, approx 10 m below the ridge.			30m shaft past a snow plug. A sloping 13m pitch beyond ends in boulders.	
X	F66					~1895	008 Snow Pole	A rift in a complex of rifts on the west edge of a large shattered bowl. On the large ridge heading WNW of F64.			An 8m climb down followed by a squeeze through boulders and a 10m climb down into chamber. A passage at the far side has a skylight opening but way on is blocked by boulders.	
X	F67					~1895	018 Snow Pole 256 Old Top Camp	A lozenge shaped shaft 30m west of F66.			Drops 15–18m to a choke.	
/	F68		1994			~1930	190 F13 277 Old Top Camp	Dry Shaft in top of a scree filled shallow hoyo to the right of the shoulder of La Verdelluenga.			A 5m loose climb leads into a tube at the head of a 10m pitch into a chamber. Right leads past an awkward corner to a low chamber and down to two large boulder chokes. Boulders draught strongly.	Oucc Proc. 14
/	F70							150m from the Snow Pole on a bearing of 200 ° .			A 25m shaft. A second shaft in the NW corner is blocked with snow.	
/	F71			342110	4787886			A small entrance close to the grass-limestone boundry on the NW flank of La Verdelluenga.			A spiky 6m climb leads to free-climbable 6m and 5m pitches. A draughting tube at the bottom leads into a phreatic tube. The tube leads to a 3m pot with the ways on being too tight. Alternatively, squeeze down into 5m high rift; way on is too tight, but draughting.	
X	F73							Heading away from the snow pole camp to the south leads into a shallow valley. About 50m up this valley a series of rifts can be seen about 30m south of the valley. F73 and 74 are located here (entrances are tagged).			A 25m deep narrow slot; no way on.	
/	F74							Near F73.			A 10m shaft drops down onto a snow plug.	
X	F75						081.5 Snow Pole 135 Verdelluenga	Major landscape gardening exercise revealed a 7m shaft blocked with boulders. No draught.				
X	F76						081 Snow Pole	5m E of F75.			A 6m open shaft with no way on.	

X	F77						5m N of F76.			A 4m shaft with a further 4m deep rift on the S corner. Blocked.	
/	F78					080 Snow Pole 128 Verdelluenga	"Thrifty Rift"			A 10m deep fissure, 1–1.5m wide. At the NW end a small inaccessible chamber can be seen.	
X	F79					025 Vega Aliseda (orange rocks) 126 Verdelluenga 065 Snow Pole				"The Great System of Nothing". A dug out hole amongst boulders leads down into a rift open to numerous skylights.	
/	F80		1994 2000 2001	341858	4787149		Ascend onto the Cabrones ridge via the scree gulley at the north east end, and follow the ridge for about 500m. The cave is just below the ridge to the south, just before the subsidiary ridge leading to Robliza. The best way to get to the cave is to start down the subsidiary ridge, and then contour across. This is called MS-67 'Torca de 17.600' by the GEM			See refs.	Expedition Reports 2000, 2001; OUCC Proc. 14, Subterranea 4
X	F81						On the Asturias side of the watershed, very close to the summit of Punta Gregoriana.			25m shaft to a rocky snow plugged floor.	
X	F83					350 lump en route to Ridge Cave	10m on the true right and above the Brown Gully, opposite F34 rift.			8m Shaft and a 4m climb down into rift with fossils.	
/	F84						On the way from the snow pole towards Old Top Camp, in a block of limestone to the right, down rift from F74.			Drop onto snow plug; there may be a way past the snow.	
O	F86		1995	342000	4787589	1987	At the base of the green tongue proper, 19m from F59 on a bearing of 199.			An undescended shaft down side of snow plug in large shakehole.	OUCC Proc. 14
X	F87		1995				Walk up towards dolomite peak in area E from new Top Camp. On the right of ridge above F71 is a large depression. F87 is a metre wide rift in right hand wall of depression.			Climbing down the rift leads under an arch to floor level. Doubling back through a crawl at floor level leads into a boulder choke.	
X	F88		1993 (known as F56) 1997	342059	4787469		Just below the Verdelluenga–Cabrones ridge, to the west of the Verdelluenga Thrust ("The Green Tongue"), in a small depression in an area of karst, near the base of a cliff.			See refs.	Expedition Report 1997; OUCC Proc. 14
X	F89		1997			003 F2 244 right hand end (cliff) of Punta Gregoriana	On the flank of Cabrones, above F5.			A small crawl into chamber chokes.	
X	F90		1997			008 Snow pole 56 top of F13 rock (about 200m)	About two levels higher than F89. Cave is slightly higher than F13 rock.			Impressive rift with snow plug heads into hillside. 25m pitch onto snowplug. All ways on choked with snow (1997)	
/	F91		1997			128 Verdelluenga 172 Cabrones 084 climb out of Vega Aliseda on direct route to Los Lagos	From west end of Vega Aliseda, follow valley to left uphill, following cairns for about 150m into area of shakeholes. Cave is in right (true left) hand side, overlooking obvious shakehole.			Cave descends at 45 ° for 5m to choke. but on left just inside entrance is hole through boulders looking into chamber. Well-aimed rocks rattle for a few seconds. Drafts. Needs a crowbar.	

/	F92		1997				126 Pico Aliseda	Further up valley from F91, scramble up to the left along fault on bearing 138 ° , hading at 40 ° down to NE.			Awkward 10m climb down into rift. A few metres ahead is a drop of maybe 20m (undescended).	
/	F93		1997					Overlooking F92.			Phreatic tube at base of cliff. Goes 5m and then gets low. Needs oversuit.	
O	F94		1997				104 left hand peak of Cabrones 214 right hand peak	In middle of scree-filled valley running along the base of Cabrones towards the pass. Cave is about 100m from col leading to F38.			Undescended. In a fairly naff place. It's surprising it's not already full of rocks; this might mean that it opens out below (or not).	
O	F95		1997					Near F94, at base of cliff jutting out from Cabrones.			10m shaft, might continue past snow.	
O	F96		1997					Two-thirds of the way up the valley running along the base of Cabrones towards the pass is a snow field at the base of a cliff. F96 is at the top left (true right) of this.			A rift heading into the mountain. Not tagged. Looks promising.	
O	F97		1997				012 F2 292 pass	To the SW of the F96 snowfield is a 25m x 20m ledge, a short awkward climb above the scree slope. The easiest route to the ledge might be to continue up the main valley, climb up a scree runnel, and then traverse up to the ledge. F97 is near the N end of the ledge.			Several parallel shafts to snow. Undescended.	
O	F98		1997					SE corner of ledge containing F97.			Shaft to snow. Skylight above, possibly with parallel shaft. Looks promising.	
/	F99		1997					SW corner of ledge containing F97.			Walk into 8m x 8m chamber. Appears to be blind, but needs checking with a light.	

Area G

Note this area is outside that traditionally covered by our permit.

X	G1							South of the Ario path below the Xitu col (between sods 3 and 4). To the right of the path to Las Fuentes.			A large entrance that is used as an animal shelter, soon chokes. Is only of interest as there is a good example of phytokarst in the entrance.	
X	G2							Continuing along the Las Fuentes path from G1 take the path leading off to the left. About 15m below the top of the hill on the northeast side is an obvious hole in a grassy bank.			The entrance is a 3m freeclimb down to a small chamber containing rotten queso boards. To the right is a 12m pitch rigged from a natural eyehole in the left wall. The pitch lands in a rift, uprift quickly chokes at an old cow's skull, down rift goes past much rotten and fallen stal to a 2m freeclimb which finally chokes at a stal blockage.	
X	G3			342401	4789833	1453		From G1 continue along the Las Fuentes path. At T-junction turn left (right goes to Las Fuentes). Over the lip of the bowl are three shafts.			Middle shaft can be rigged from large boulder labelled OUCC G3. A 5m drop to a ledge is followed by a 20m drop to a snow plug. Down the snow plug a passage descends for 20m before ending in an aven. Part way down along the passage an alcove on the right contains a second aven. Back at the snow plug a 60 ° gravel slope can be ascended to a skylight and on the left a hairy climb to a balcony overlooking a shaft (which may be the original shaft).	
X	G4a			342369	4789783	1470		Located roughly up and to the south of G3.			A low entrance which allowed access to a couple of chambers amongst boulders — no way on.	
/	G4b							To the left of the path going down Sod 4, at the bottom of the hill. Large entrance at the end of a blind valley.			Climbing down a snowplug the passage divides. To the right a rift can be followed up and along for 5m and then down 2m to the floor, the rift continues, and may be worth pushing further. To the left at the bottom of the snow plug continue down the snow to reach an unlocked wooden door to a small chamber containing racks for cheese. At the of the chamber a passage ascends with more racks. The passage seems to close down.	

/	G5a						Located on the slopes up to the La Rasa ridge slightly higher than the level of the cols into a large closed depression.			The entrance was approximately 1.5m in diameter and after the removal of a couple of boulders allowed access to the right to a 2.5m freeclimb down a rift to a boulder floor. However a descending rift to the left draughted well, but a hammer might be useful to ease the descent.	
/	G5b						60m down valley from G4b. Shaft labelled SIE 84.			Stones rattle down for 4-6 seconds.	
/	G6						Northeast of G5a was a similar entrance located above the next closed depression.			A phreatic tube about 1m wide with a trench in the floor carried a good draught. Quite tight, but it looked that perseverance might lead to a pitch down.	
O	G7										
X	G8			343374	4789216					20m pitch leading to boulder slope down to a second 10m pitch. Cave ends. (Originally named G2/2)	Expedition Report 2001.
X	G9			343310	4789313					Small shattered chamber. Contains cheese. No way on.	
O	G10			342946	4789202	1615	In long rift up a slope from lowest col between Ario and Area G.			Sloping shaft, maybe 10m deep.	
O	G11			342355	4790248	1465	Not far from Sod 3.			Large shallow shaft, 5m by 3m by 5m deep, possibly with passage through the boulders.	
O	G12			342343	4790277	1446	Not far from Sod 3.			Small shaft with entrance almost completely occupied by tree, 3m by 2m by 10m deep.	
/	G13			343268	4789396		Some 30m from the path at the foot of Sod 4.			3m long rift cave with cold draught. Dig gained a couple more metres length and depth, leading to a less-promising vertical dig in rock and animal bones.	
O	G14			343189	4789265		7m shaft and phreatic tube.				
O	G15			343210	4789305						