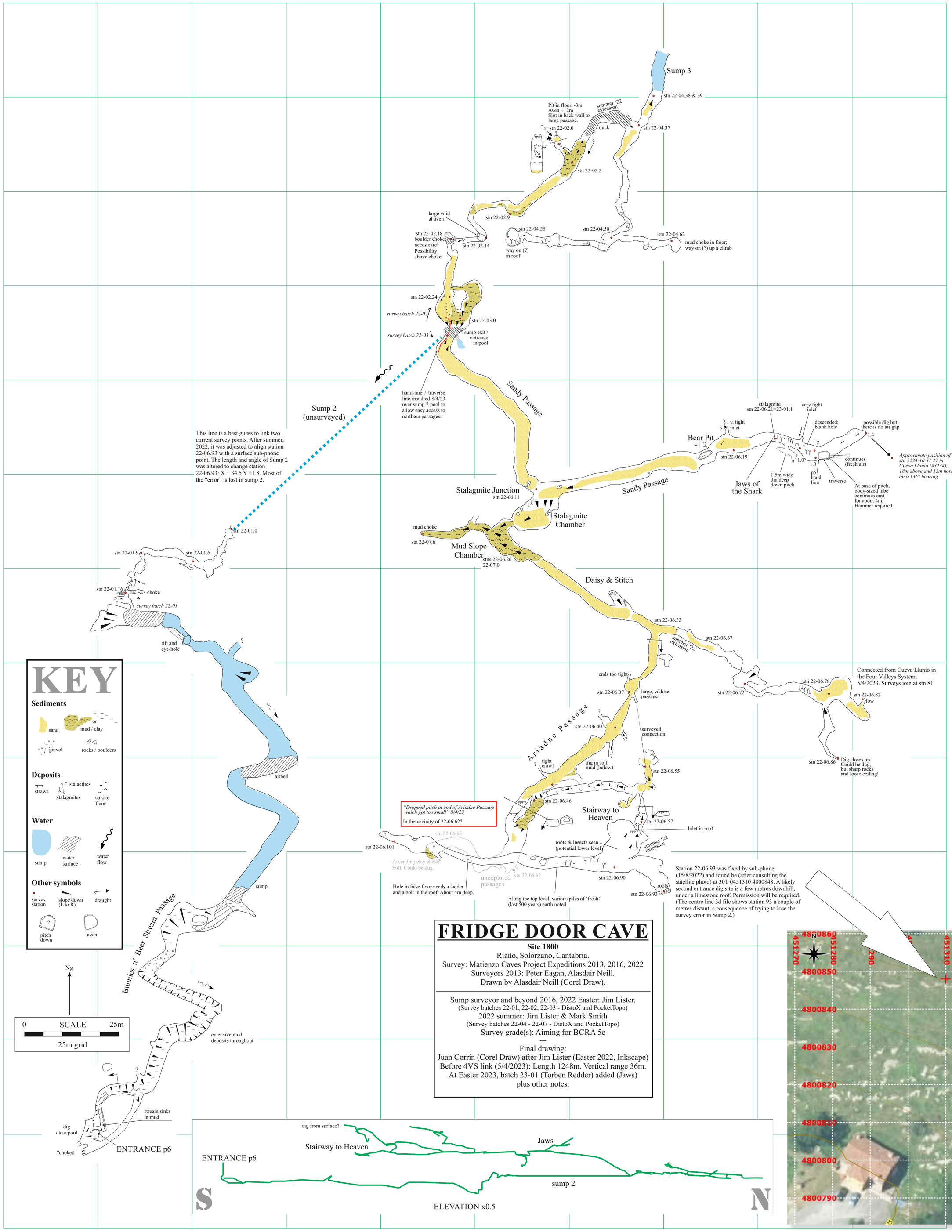
Sump 3
stn 22-04.38 & 39
Pit in floor, -3m
Aven +12m
Slot in back wall to
large passage.
summer '22
extension
duck
stn 22-04.37
stn 22-02.0
?
stn 22-02.2
large void
at aven
stn 22-02.9
stn 22-04.58
stn 22-04.50
stn 22-04.62
stn 22-02.18
boulder choke;
needs care!
Possibility
above choke.
stn 22-02.14
way on (?)
in roof
mud choke in floor;
way on (?) up a climb
stn 22-02.24
survey batch 22-02
stn 22-03.0
survey batch 22-03
sump exit /
entrance
in pool
hand-line / traverse
line installed 8/4/23
over sump 2 pool to
allow easy access to
northern passages.
Sump 2
(unsurveyed)
Sandy Passage
This line is a best guess to link two
current survey points. After summer,
2022, it was adjusted to align station
22-06.93 with a surface sub-phone
point. The length and angle of Sump 2
was altered to change station
22-06.93: X + 34.5 Y +1.8. Most of
the "error" is lost in sump 2.
stalagmite
stn 22-06.21=23-01.1
very tight
inlet
descended;
blank hole
possible dig but
there is no air gap
v. tight
inlet
Bear Pit
-1.2
1.4
1.2
stn 22-06.19
1.0
1.3
continues
(fresh air)
Approximate position of
stn 3234-10-11.27 in
Cueva Llanio (8323-4),
18m above and 13m horizontal
on a 135° bearing
1.5m wide
3m deep
down pitch
p5
hand
line
traverse
Jaws of
the Shark
At base of pitch,
body-sized tube
continues east
for about 4m.
Hammer required.
Sandy Passage
Stalagmite Junction
stn 22-06.11
Stalagmite
Chamber
mud choke
stn 22-07.6
Mud Slope
Chamber
stns 22-06.26
22-07.0
stn 22-01.0
stn 22-01.9
stn 22-01.6
stn 22-01.16
choke
survey batch 22-01
rift and
eye-hole
Daisy & Stitch
stn 22-06.33
stn 22-06.67
summer '22
extension
ends too tight
stn 22-06.37
large, vadose
passage
stn 22-06.72
stn 22-06.78
stn 22-06.82
low
Connected from Cueva Llanio in
the Four Valleys System,
5/4/2023. Surveys join at stn 81.
stn 22-06.40
surveyed
connection
Ariadne Passage
tight
crawl
dig in soft
mud (below)
stn 22-06.55
stn 22-06.86
Dig closes up.
Could be dug,
but sharp rocks
and loose ceiling!
airbell
"Dropped pitch at end of Ariadne Passage
which got too small" 8/4/23
In the vacinity of 22-06.62?
stn 22-06.46
Stairway to
Heaven
stn 22-06.57
Inlet in roof
stn 22-06.65
stn 22-06.101
roots & insects seen
(potential lower level)
summer '22
extension
Ascending clay choke.
Soft. Could be dug.
unexplored
passages
stn 22-06.62
stn 22-06.90
roots
stn 22-06.93
Hole in false floor needs a ladder
and a bolt in the roof. About 4m deep.
Along the top level, various piles of 'fresh'
(last 500 years) earth noted.
Station 22-06.93 was fixed by sub-phone
(15/8/2022) and found be (after consulting the
satellite photo) at 30T 0451310 4800848. A likely
second entrance dig site is a few metres downhill,
under a limestone roof. Permission will be required.
(The centre line 3d file shows station 93 a couple of
metres distant, a consequence of trying to lose the
survey error in Sump 2.)
KEY
Sediments
sand
or
mud / clay
gravel
rocks / boulders
Deposits
straws
stalactites
stalagmites
calcite
floor
Water
sump
water
surface
water
flow
Other symbols
survey
station
slope down
(L to R)
draught
pitch
down
aven
Ng
0
SCALE
25m
25m grid
Bunnies n' Beer Stream Passage
sump
extensive mud
deposits throughout
stream sinks
in mud
dig
clear pool
?choked
ENTRANCE p6
FRIDGE DOOR CAVE
Site 1800
Riaño, Solórzano, Cantabria.
Survey: Matienzo Caves Project Expeditions 2013, 2016, 2022
Surveyors 2013: Peter Eagan, Alasdair Neill.
Drawn by Alasdair Neill (Corel Draw).
Sump surveyor and beyond 2016, 2022 Easter: Jim Lister.
(Survey batches 22-01, 22-02, 22-03 - DistoX and PocketTopo)
2022 summer: Jim Lister & Mark Smith
(Survey batches 22-04 - 22-07 - DistoX and PocketTopo)
Survey grade(s): Aiming for BCRA 5c

Final drawing:
Juan Corrin (Corel Draw) after Jim Lister (Easter 2022, Inkscape)
Before 4VS link (5/4/2023): Length 1248m. Vertical range 36m.
At Easter 2023, batch 23-01 (Torben Redder) added (Jaws)
plus other notes.
dig from surface?
Stairway to Heaven
Jaws
ENTRANCE p6
sump 2
S
N
ELEVATION x0.5
N
451270
451280
290
451310
451320
4800860
4800850
4800840
4800830
4800820
4800810
4800800
4800790