

28/7/97.

Solo walk back from top camp. 1hr 50mins.  
Route finding fine, no encounters with  
wild animals, rocks, Chelsea members  
or anything really. Perhaps I should  
make something up.

Rhys.

29/7/97 a.m. - off for a wee bike ride  
to place dye detectors, and probably have another  
look at Cuilambo after dry weather. Est' fine back  
at Lagos 30/7/97 before dark. Ian

J.C's Shopping List

- 1 carbide bottom (? Ferreteria)
- 1 carbide hook " " " a little supply from the Ferreteria
- 1 Toothbrush
- Toothpaste + Razors (BIC disposable will do)
- 1 litre bottle of pop (e.g. Coke or Kes Limon).

If a shopper were to get these I'd be very grateful, and  
won't pay the kitty back.

Love Jonathan.

(22)

Paul & Jo Leaving -

We've quickly tidied the tent!

We've taken the van down to Camps (will  
park in normal spot, Nobby has other way set)  
as suggested. (Only four sets of campers with  
cars here, so bigger all chance of kibbling)

Nick's "Jim a knob" Tasspot is still hanging  
around Logs.

We've put 2 empty gas cylinders in the van.

Cheers for a great (if brief) time,

Daz



Hoya le Madre Detectors

(Placed 290797 17:00)

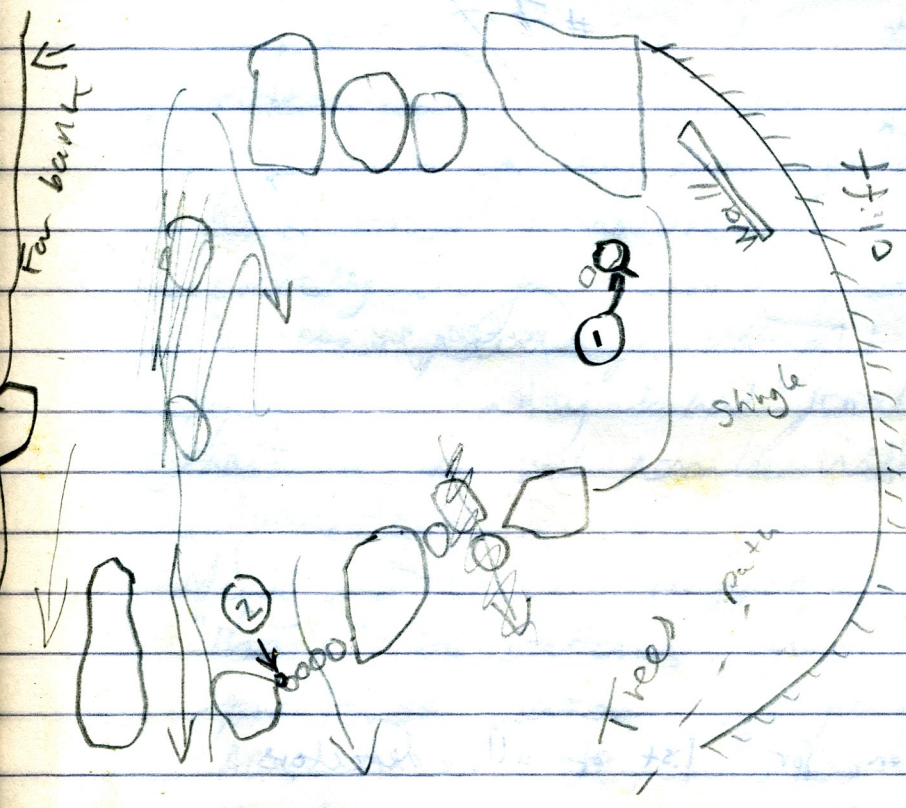
Get to "La Molina", on way to Rio Cas see map.

Head for gorge along concrete road + then path from La Molina (1km)

Go right at bridges: Keep on NE bank (river on left as going upstream)

30m upstream from bridge detectors in stream under cliff

- ① under white boulder
- ② check in top of cascade (at 1/2 way across stream)



↓ La Molina



24

u

3rd visit  
~~2nd visit~~

Culiambro detectors

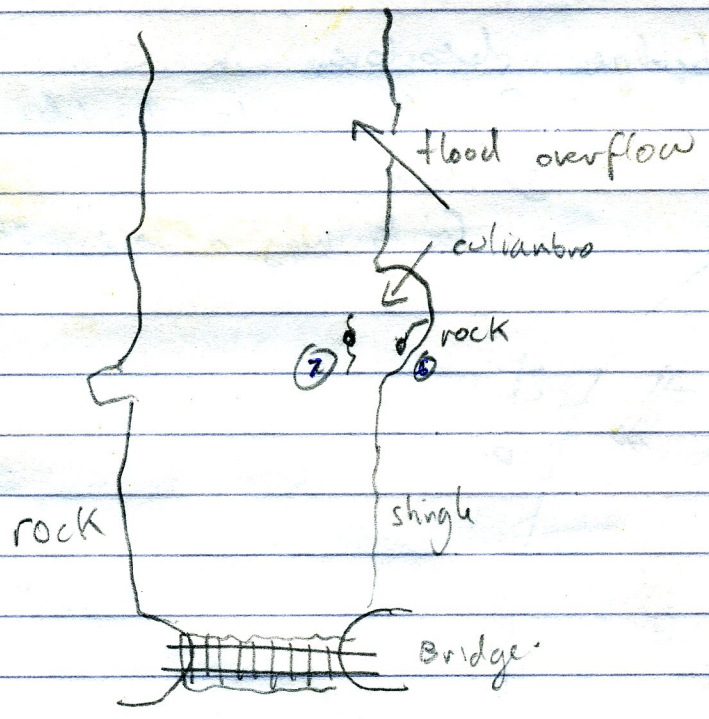
~~290797 17:00~~

03 08 97 1B HJ BL AG

Take top path from Ponte Poncias to cain along Caes gorge.

After  $\approx 6$  Km Culiambro can be seen at a rigid bridge somewhat upstream from the obvious resurgence from the central Massif.

Obvious / easy path down to bridge.



- #6 ~~⊗~~ on string
- #7 ~~⊗~~ tied to iron bar in bottom of pool

(reckon you can hook the bar out with your foot, its only  $\frac{1}{2}$ " diameter and a few feet long).

See note 2 pages on for list of all detectors.



The silent splendor of the fires hung over logs over camp. Our heroes rested beside the trailer.

"So, when you say that recharging non-rechargeable batteries causes them to explode, Ian, what exactly did you mean?" Sadly, well, slightly sadly anyway, there were to be Ali's last words that morning or any other.

Ian ~~was~~ was not too good at explaining technical things generally, so no one really believed him when he said "explode". A "sort of swelling up" was more what people had expected. What Ian lacked in powers of explanation he made up for in speltotechnocratoricness. He had wired up his solar panels to the cassette player, using the dual ~~batt~~ batteries as regulators, and our heroes were enjoying a restful ~~doze~~ doze of ~~of~~ Jane Fonda war on out tape.

But this morning ~~then~~ the Ian's technodweckery went a little wrong. Well, very wrong.

"So, when you say that recharging non-rechargeable ~~the~~ batteries causes them to explode, Ian, what exactly did you mean?" - asked Ali. Ian ~~was~~ paused for thought and was about to reply when, as if it had finally dawned on him that it was not possible safely to ~~re~~charge un-rechargeable batteries with a solar panel, in fact it was completely stupid, his mouth dropped open.

"Boom!" The batteries exploded, ~~the~~ and bits of Jane Fonda war on tape plunged through the back of Ali's head. JC, who had been sleeping under the trailer woke up abruptly ~~as the~~ to witness the small fireball spread across camp as if in slow motion. It was shocking. So shocking ~~that~~ in fact



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that he bumped his head violently on the drawer's brake  
chute, dislodging the brakes, and by causing the drawer to  
wobble free from its precariously stable position. Of  
course he should have known better than to be under  
an unstable drawer when there was a risk of  
batteries exploding nearby. But he'd had a few  
'ciders' the night before and, well, his mind was  
not its usual sharp self that fateful evening.  
Anyway, that's all history now and there's no point in  
discussing the intricacies of Jc's decision-making process  
because, sadly, he was crushed under the falling drawer.

The tragedy should have ended there, but, sadly, there  
was against our heroes that day. The drawer  
~~was~~ ~~was~~ ~~one~~ ~~of~~ ~~the~~ ~~drawers~~ under normal circumstances.  
It might have got away with it, but today the  
drawer was overloaded. Partly because Alison and  
Rob were both sitting in it, and partly because  
it was packed full of manflame tins (~~as~~  
for some reason we had been directed ten times the  
normal sponsorship load). As the drawer tipped,  
the 800 manflame tins, piled precariously  
tough up the back, tumbled forwards, slowly at  
first, but then with increasing speed and force.  
Alison and Rob had no chance as the full force  
of the manflame binder chose ~~meat~~ ~~over~~ ~~them~~.  
Unfortunately, when <sup>the</sup> manflame tins <sup>were</sup> heated  
by the fireball, they also exploded eliciting a  
chain reaction of little clouds of flaming  
partridge oats.

When the storm of burning manflames finally  
settled, an ~~struck~~ ~~struck~~ was still sitting ~~graw~~



mouthed, his hair ringed but otherwise unscathed.  
"I ~~was~~ ~~the~~ ~~just~~ ~~realized~~ ~~that~~ ~~was~~ calculated that  
if I ~~try~~ ~~to~~ ~~re-charge~~ ~~unrechargeable~~ ~~batteries~~  
using the solar panels, they'll explode. That  
is they'll - go "BOOM!" I don't think  
we should do it."

### BEACH TRIP, Tim, Alison, Rhys, J.C., Andy, Rod, Lou, Rob

We went to the beach and we went swimming and  
we had ice cream and it was fun. Said "Alison" to Rod  
and Andy in Arrimades and now they are gone.

Maximum beach trips for greater biolocalizing.



Dye Detector Placement Summary

Culiambro

Place	In	Out	Number
30m Downstream (LHS Twe)	23 07 97 (15:00)	29 07 97 (21:30)	# 1
Cul Resurgance in string	23 07 97 (15:00)	29 07 97 (21:30)	# 2
Cul Resurgance on iron bar	23 07 97 (15:00)	03 08 97 (16:00)	# 3
Cul Resurgance on string	29 07 97 (22:30)	30 07 97 (10:40)	# 4
Cul Resurgance on string	30 07 97 (10:40)	03 08 97 (16:00)	# 5
Cul Resurgance on string	03 08 97 (17:00)	still in	# 6
Cul Resurgance on iron bar	03 08 97 (17:00)	still in	# 7

Other Locations

Place	IN	OUT	
C4 Streamway (3 boys)	28 07 97 (15:00)	31 07 97 (22:00)	—
*La Molina (Hoya-le-Madre) LHS	29 07 97 (17:00)	still in 18/8/97	1
" Cascade center of Stream.	29 07 97 (17:00)	still in. 18/8/97 (09:00)	2

\* See diagram a few pages back to find these.

(Detectors are in Ziplock bags in ammo box on left base camp tent, labeled.)

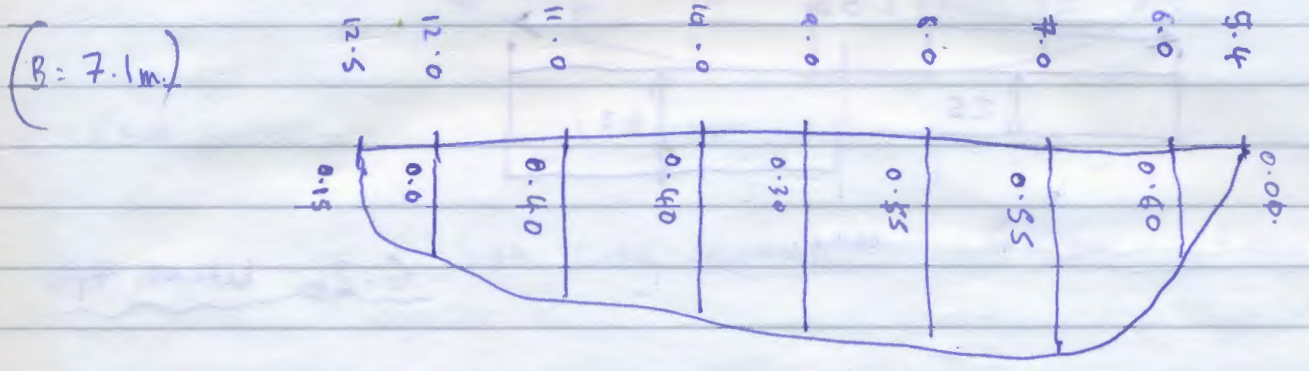


Rio Caves flow at Culiandro (will only Alison can)  
 (3 measurements taken downstream of Culiandro)

23 07 97 (15:00) Looking downstream.

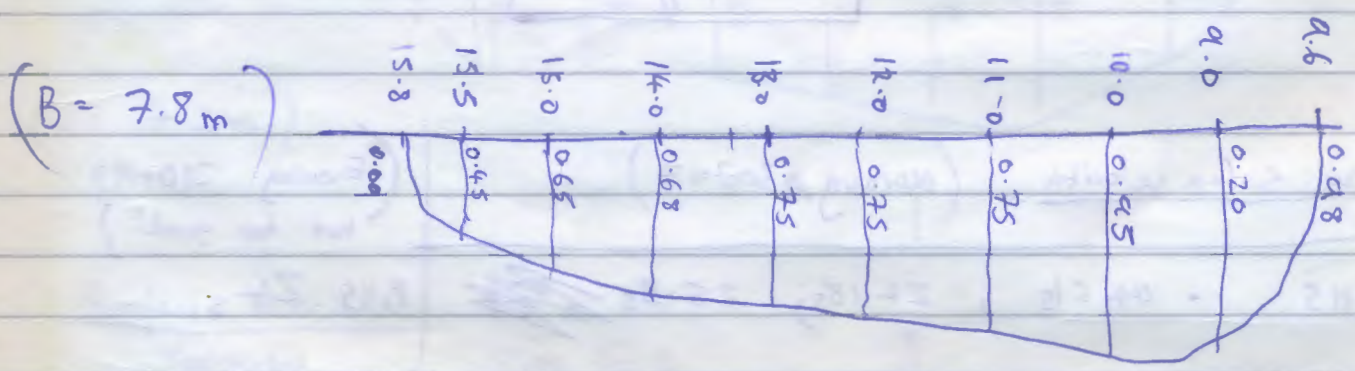
High flow after rain.  
 upper waterfall at Culiandro flowing.

Tape 1.



Distance between tapes = 6.20m.

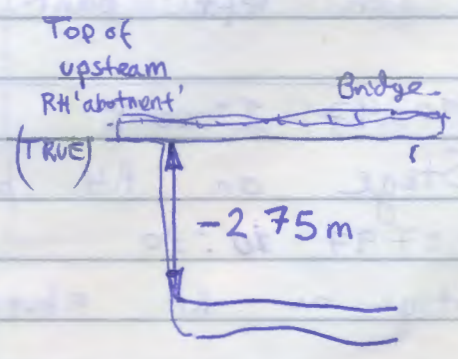
Tape 2



Velocity surface

<u>Tape 1 Chainage</u>	<u>time tape 2.</u>
6	16.7 s
6.5	11.5
7.0	8.5
8.0	7.2
9.0	7.0
10.0	13.3
11.0	21.6
11.5	54.0

Stage





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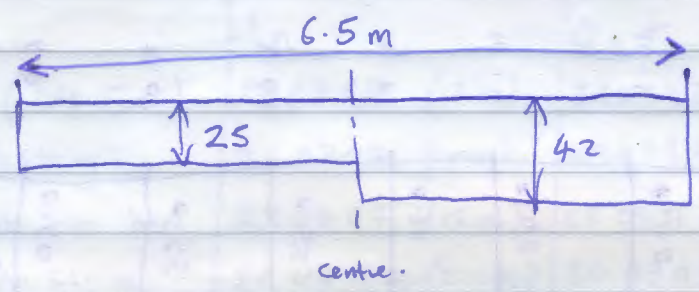
Using ~~the~~ <sup>300797</sup> t-rings and average cross section  
 $Q = 0.55 \text{ m}^3/\text{s}$   
(1.124)

29 07 97 (21:30)

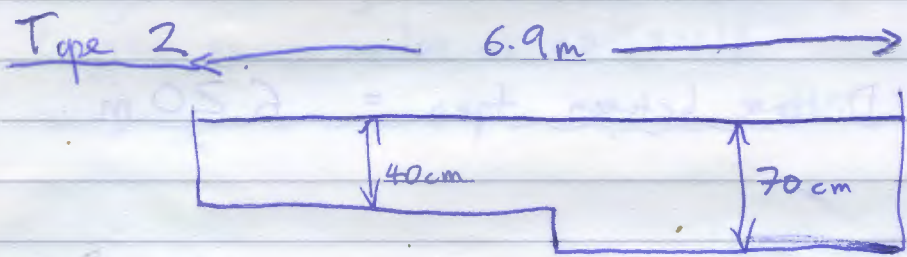
(lan)

both look downstream

Tape 1 (Same positions)



6.2m between tapes



Flow surface velocity (morning ~~300797~~ 300797)

(Evening 290797 not too good!)

RHS - 44.6/s, 24.18/s, 25.3/s ~~25.3/s~~

RHS 24/s

LHS 29.8/s, 28.2/s, '

LHS 4/s

1m from left bank = 1min 53 sec.

290797 22:00 :

Stage on RH abutment - 2.91m (3.30 - 0.39 = 2.91m)

30 07 97 20:30

Stage on RH abutment = 2.91m (3.29 - 0.38 = 2.91m)