

Dye in 3884 (where streams unite below pitches) 13/02/16, c. 13:00

People involved Terry Whitaker and Peter Smith

Minor flood event 12/02/2016

Detectors in, 13/02/2016: PS & TW

Jivero 1 [0016], 13:45 flow c. <70l/sec; water clear
Loca 1 [0019], 13:45 flow c. 50l/sec; water clear
Anderal 1 [0008], 14:15; flow c. 30l/sec; water clear
Mortiro North Rising [4272], 12:00 flow c. 200l/sec; water clear
Resurgence Cave [4271] ~~30T-0455145,4793131~~ 13:30 flow <400l/sec water slightly turbid
Stream from Cueva Tiva nr Pasabolo field [3929] 14:30 flow <500l/sec water slightly turbid

Detectors checked, 14/02/2016: TW

Minor flood event over night

Mortiro North Rising [4272] 13:20 flow c. 250l/sec Negative, water clear. Detector slightly discoloured
Anderal 1 [0008], 13:45; flow c. 30-40 l/sec; Negative, water clear. Detector slightly discoloured

Detectors checked, 15/02/2016: TW

Major flood event over night and continuing

Mortiro North Rising [4272] 13:15 flow c. 500l/sec water slightly turbid. Detector under <1m of water
Stream from Cueva Tiva nr Pasabolo field [3929] (452632,4796127) 14:30 flow <750l/sec water very turbid
Detector under 1m of water.
Resurgence Cave [4271] ~~30T-0455145-4793131~~ 13:00 full flood flow; >750l/sec water very turbid. Impossible to recover detector.
Jivero 1 [0016], 13:45 flow c. <150l/sec; Negative, detector discoloured, water slightly turbid Detector difficult to recover as 40cm down and strong flow.
Loca 1 [0019], 14:00 flow c. 70l/sec; Negative, detector discoloured ,water slightly turbid.
Anderal 1 [0008], 13:45; flow c. 50 l/sec; Negative, water slightly turbid. Detector very discoloured and moved 1m downstream. Signs of higher stage flow.

Detectors checked, 16/02/2016: PS

Water levels falling

Jivero 1 [0016], 14:30 flow c. xxxl/sec; Positive ++, detector discoloured, water slightly turbid.
Mortiro North Rising [4272] 15:15 flow c. xxl/sec Negative, detector discoloured, water slightly turbid.

Detectors checked, 18/02/2016: PS

Resurgence Cave [4271] Manatial de Tres (14:00-1500) Negative, detector discoloured.
Loca 1 [0019] Negative, detector discoloured, flow c. 30l/sec; (14:00-1500).
Anderal 1 [0008] Negative, detector very discoloured (14:00-1500).
Stream from Cueva Tiva nr Pasabolo field [3929] (30T452632E 4796127N) (14:00-1500) Negative, detector very discoloured.
Mortiro North Rising [4272] (14:00-1500) flow c. 200l/sec Negative, detector discoloured, water clear
Terry Whitaker 20/2/2016

Conclusion (JSC): Water from 3884 travels to the Jivero 1 (0016) resurgence in some time >48 hours and less than 72 hours. A straight line distance of 370m. A velocity of 7.7m/h at the most. This result is surprising as, according to map contours and cave surveys, the downstream end of 3884 is at 249m whereas the Jivero 1 rising is at 254m.