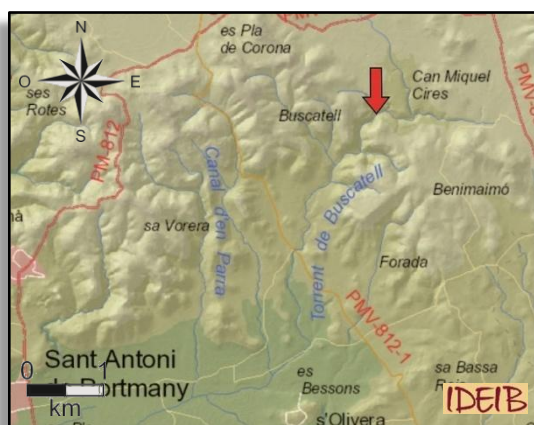


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Es Buscastell Spring

Location



Municipality: Sant Antoni de Portmany

U.T.M. coordinates
(31N ETRS89):

X: 358321
Y: 4320433



Difficulty and duration



40 min

1 2 3

Access

From the PM-812-1 road to Santa Agnès, take the dirt track named "Camí des Broll". Continue along the track for approximately 2.5 km. After you pass the 'Can Tonico' house on the left, take the path to the right and go down some stone steps that lead to the irrigation channels. The fountain of Es Broll is fixed to a small wall that divides two terraces.

Principal interest

Hydrogeological

Secondary interest

Tectonic

Description of the locality



Es Broll des Buscastell delimited and protected.



Es Broll des Buscastell may be the best-known spring in Eivissa. It is a natural spring which, like many others in the Balearics, originates in a fault that contacts permeable materials through which the water circulates with impermeable materials that cut off the circulation. Consequently, the present-day fault acts as a conducting channel that propitiates the exit of the water towards a specific zone.

In the case of Es Broll des Buscastell, the permeable materials are calcareous, while the impermeable materials correspond to marls that predominate in the valley.

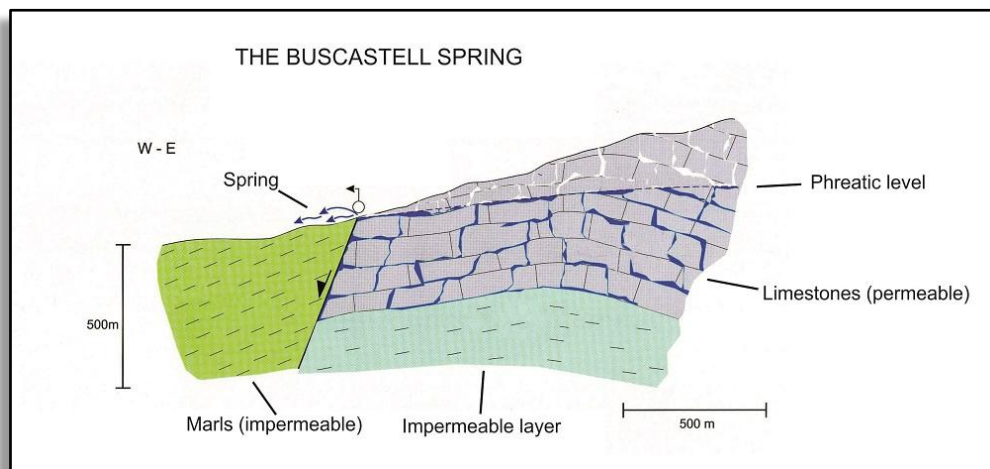


Diagram of Es Broll des Buscastell explaining the origin of the spring. Modified from Mateos Ruiz & González Casasnovas (2009).

This natural spring has been known since ancient times. In fact, it was during the Muslim occupation when this natural resource was first exploited systematically, with the construction of a system of irrigation channels that are still very useful today for the local agriculture, thanks to the maintenance and alterations carried out. The nearby village of Santa Agnès is the one which traditionally has most benefited from the water of the spring.



Exit of the water via one of the irrigation channels of the spring.

The flow of the spring can vary between 12,000 litres/hour in summer and 60,000 litres/hour in rainy periods.

The Torrent des Buscastell passes through the valley and is partly fed by Es Broll.



Torrent des Buscastell.

For more information

Mata Lleonart R. & Roig i Munar, X., 2016. *Eivissa i Formentera: camins i pedres. Descoberta geològica i geomorfològica*. Axial Natura. 218 pp.

Recommendations

It is recommended to use good footwear because the path can be slippery.

It is also a good idea to walk through the Buscastell valley to admire the Muslim canal structures.