



Groundwater Body Code

MT016

Groundwater Body Name

Xaghra Perched Groundwater Body

Reference Year

2004

General Characteristics

Location

The Xaghra Upper Coralline Limestone Aquifer lies in the north-central region of Gozo and ranges in height from 135m to the south to 85m above mean sea level in the north. It is bounded by the sea to the north, Wied ir-Ramla to the east and the Wied ta' Marsalforn to the west.

Area

3km²

Main Aquifer

Upper Coralline Limestone

Main Aquifer Type

Fractured Carbonate Media

Groundwater Horizon

1

Maximum Length

2.7km

Maximum Width

2.1km

Mathematical centre of groundwater body

434500, 3990800

Hydro-geological characteristics

Stratigraphy

Tertiary—Miocene

Mean Annual Precipitation

450mm

Mean Aquifer Thickness

15m

Main Recharge Source

Precipitation

Mean Annual Recharge

0.9hm³

Pressures

Main Land-Use Features (Corinne Landcover 2000)

Discontinuous urban fabric

64%

Agriculture with significant area of natural vegetation

8%

Schlerophyllus vegetation

28%

Other Pressures

Water Abstraction Purpose

Irrigation, Secondary Domestic

Artificial Recharge

Mainly due to leakages from the potable supply and sewerage network

Contaminated Land

Disused Municipal Land-fill site at Ghajn Damma.

Associated Aquatic Ecosystems

None