



**Groundwater Body Code**

MT014

**Groundwater Body Name**

Ghajnsielem Perched Groundwater Body

**Reference Year**

2004

**General Characteristics**

**Location**

The Ghajnsielem/Qala aquifer lies in the south-east of Gozo. It is bounded by the Ghajnsielem/Qala Fault in the north and the North Comino Channel in the south. The area is tilted southwards and ranges in height from a maximum of 125m at Qala, falling south-east and south-west to approximately 75m along the cliffs.

**Area**

2.75km<sup>2</sup>

**Main Aquifer**

Upper Coralline Limestone

**Main Aquifer Type**

Fractured Carbonate Media

**Groundwater Horizon**

1

**Maximum Length**

0.8km

**Maximum Width**

3.9km

**Mathematical centre of groundwater body**

436500, 3987500

**Hydro-geological characteristics**

**Stratigraphy**

Tertiary—Miocene

**Mean Annual Precipitation**

450mm

**Mean Aquifer Thickness**

33m

**Main Recharge Source**

Precipitation

**Mean Annual Recharge**

0.85hm<sup>3</sup>

**Pressures**

**Main Land-Use Features (Corinne Landcover 2000)**

**Discontinuous urban fabric**

49%

**Agriculture with significant area of natural vegetation**

51%

**Other Pressures**

**Water Abstraction Purpose**

Irrigation, Secondary Domestic

**Artificial Recharge**

Mainly due to leakages from the potable supply and sewerage network

**Associated Aquatic Ecosystems**

None