



MALTA RESOURCES AUTHORITY

**Groundwater Body Code**

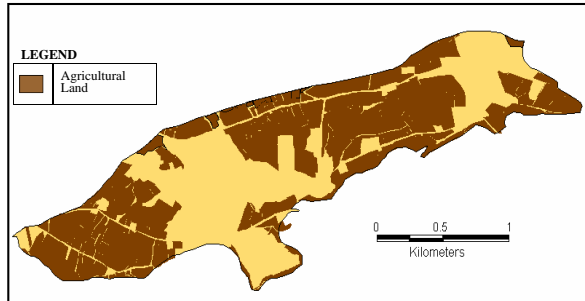
MT014

**Groundwater Body Name**

Ghajnsielem Perched Groundwater Body

**Reference Year**

2004



Agricultural Land

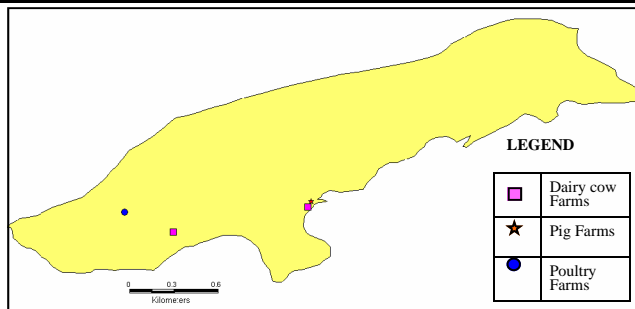
**Diffuse Sources**

<b>Total Utilized Agricultural land area (ha)*</b>		51 ha	
<b>Arable Land</b>	<b>Land under vineyards</b>	<b>Land under Orchards</b>	<b>Fallow land</b>
47	0.6	1.3	1.8
<b>Potential Pesticide Loading (tonnes)**</b>		1.3 tonnes	
<b>Total Potential Nitrogen Loading (assuming long-term limits of Nitrate Directive)</b>		8,500 kg N	
<b>Sewer index (% of total domestic sewage generated within catchment area)</b>		1 %	

**Point Sources**

**Animal Husbandry**

Animal Type	Pigs	Dairy Cow	Poultry (Broilers)	Poultry (Layers)
<b>Total Number of Farms</b>	1	2	1	0
<b>Animal Population</b>	180	150	1,800	0
<b>Total kg N generated***</b>	3,600	15,200	660	0



**Other Point sources**

<b>Petrol Stations / Fuel Storage Facilities</b>	None
<b>Contaminated Land</b>	None
<b>IPPC Sites</b>	None
<b>Waste management</b>	None
<b>Industrial Activity</b>	'Garage' Industries
<b>Length of main sewer network</b>	3.8 km
<b>Quarries</b>	None

\* based on NSO Census of Agriculture, 2001

\*\* assuming uniform usage on all agricultural land and based on pesticide importation data

\*\*\* [http://ohioline.osu.edu/b604/b604\\_2.html](http://ohioline.osu.edu/b604/b604_2.html)