



## MAL059 - Il-Qbiela

### Description

Il-Qbiela is a large and elevated, artificially constructed reservoir, intended for irrigation and water storage, located in western Malta within Dingli. The reservoir was constructed in the 1980s out of cement and limestone, is 8.5 metres high and covers an approximate area of 1,040m<sup>2</sup>. The site is not accessible to the public as it can only be accessed through privately-owned agricultural land. The reservoir is predominantly surrounded by agricultural land with numerous pipelines scattered throughout adjacent fields, indicating that it is likely being used for irrigation. Within the basin of the reservoir, *Ceratonia siliqua* and *Ficus carica* are present. The site is not protected by any legislation.

### General information

#### Basic information

<b>Wetland location:</b>	Inland
<b>Wetland type:</b>	Artificial
<b>Natural / Artificial:</b>	Concrete reservoir
<b>Area (Ha):</b>	0.10
<b>Hydrological interaction with other wetland:</b>	No -
<b>Water salinity:</b>	Fresh (< 0.5 g/l)
<b>Fresh water entry:</b>	Catchment area (precipitation)
<b>Surface water runoff:</b>	Outflow controlled by pipeline
<b>Open water area (%):</b>	> 95
<b>Hydroperiod:</b>	Permanent

#### Geographic information

<b>Census district:</b>	Western
<b>Island:</b>	Malta
<b>Local council:</b>	Had-Dingli
<b>Coordinates (WGS84):</b>	14.382510 E - 35.863260 N

#### Biological significance

<b>Biological significance:</b>	Low
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#### Ramsar wetland types

Ramsar type	Coverage (%)
6 -- Water storage areas; reservoirs/barrages/dams/impoundments (generally over 8 ha)	

#### Property status

Private
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## Protection statuses & other designations

## Ecosystem Services, Activities & Impacts

### Ecosystem Services

Type of Ecosystem service	Ecosystem service	Scale of Benefit	Importance
Provisioning services	Food		
Provisioning services	Fresh water		

### Activities on wetland

Activities	Intensity
020 = Resource conservation	High
110 = Use of pesticides	High
120 = Fertilisation	High
130 = Irrigation	High
701 = water pollution	High

### Activities on drainage basin

Activities	Intensity
100 = Cultivation	Medium
110 = Use of pesticides	High
120 = Fertilisation	High
130 = Irrigation	High
401 = continuous urbanisation	Low
430 = Agricultural structures	High
502 = roads motorways	Low
701 = water pollution	High

### Impacts

Impact type	Intensity
EE- = Increase of economic potential	
ES- = Increase in water supply	
PF- = Fertilizer/Excess nutrient pollution	
PP- = Pesticide pollution	

## Habitats & Vegetation

### Vegetation types

Vegetation type	Coverage (%)
Shrubby / Arborescent	5 - 25

## Species

## References

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### Representative Image & Map

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