



## MAL047 - Gnien iz-Zghir

### Description

Gnien iz-Zghir is a semi-artificial reservoir, intended for irrigation and water storage, located in western Malta between Ħad-Dingli and Rabat. The reservoir covers an area of approximately 1,420m<sup>2</sup>. A limestone wall has been constructed around the border in order to increase the reservoir's water storage capacity. The site is surrounded by agricultural fields and has numerous pipelines within the reservoirs, indicating that it is used for irrigation. 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>	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>	Ir-Rabat
<b>Coordinates (WGS84):</b>	14.404110 E - 35.868110 N

#### Biological significance

<b>Biological significance:</b>	Low
---------------------------------	-----

#### Ramsar wetland types

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

#### Property status

Private
---------

## Protection statuses & other designations

### Protection status

Protection status category	Protection status subcategory	Site name	Code	Coverage (%)	Legislation
International	Special Areas of Conservation - International Importance	L-Inhawi tal-Buskett - Girgenti	330714	100	Environment Protection Act (Act I of 2016)
International	Special Protection Areas	L-Inhawi tal-Buskett u tal-Girgenti	555552407	100	Environment Protection Act (Act I of 2016)
National	Tree Protection Area	Gnien il-Kbir, il-Buskett u Wied il-Girgenti	555546279	100	Environment Protection Act (Act I of 2016)
International	Important Bird and Biodiversity Areas	Buskett and Wied il-Luq	MT004	100	

### CDDA protection status

CDDA code	Category
MT11	Special Areas of Conservation - International Importance
MT13	Special Protection Areas
MT06	Tree Protection Area

### Important bird areas

IBA Code	Site name	Coverage (%)
MT004	Buskett and Wied il-Luq	100

## 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
700 = Pollution	High
701 = water pollution	High

### Activities on drainage basin

Activities	Intensity
100 = Cultivation	High
110 = Use of pesticides	High
120 = Fertilisation	High
130 = Irrigation	High
430 = Agricultural structures	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 (%)
Other	< 5

## Species

## References

## Representative Image & Map





