



## MAL007 - Il-Migduma

### Description

Il-Migduma is an artificial dam lake, located in Northern Malta, within Xemxija. The site is easily accessible by the public through a pathway. The dam lake covers an area of approximately 2,011m<sup>2</sup>. The site is predominantly surrounded by garigue habitat whilst northern region of the artificial dam lake consists of active agricultural land. It is likely that the water collected is being utilised for irrigation purposes due to numerous pipelines within the reservoir. The perimeter of the site was surrounded by different species including, *Medicago orbicularis*, *Prasium majus*, *Anagallis arvensis*, *Sedum caeruleum* and *Erica multiflora*. The site makes part Wied il-Mistra watercourse and is not protected by any legislation.

### General information

#### Basic information

<b>Wetland location:</b>	Inland
<b>Wetland type:</b>	Artificial
<b>Natural / Artificial:</b>	Dam lake
<b>Area (Ha):</b>	0.20
<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>	Other
<b>Open water area (%):</b>	> 95
<b>Hydroperiod:</b>	Permanent

#### Geographic information

<b>Census district:</b>	Northern
<b>Island:</b>	Malta
<b>Local council:</b>	Il-Mellieha
<b>Coordinates (WGS84):</b>	14.378830 E - 35.952130 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

Public
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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		
Regulatory services	Flood hazard regulation		
Regulatory services	Water regulation		

### Activities on wetland

Activities	Intensity
020 = Resource conservation	High
110 = Use of pesticides	High
120 = Fertilisation	High
701 = water pollution	High
910 = Silting up	Medium

### Activities on drainage basin

Activities	Intensity
100 = Cultivation	High
110 = Use of pesticides	High
120 = Fertilisation	High
130 = Irrigation	High
502 = roads motorways	Medium
701 = water pollution	High
954 = invasion by a species	High

### Impacts

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

## Habitats & Vegetation

### Vegetation types

Vegetation type	Coverage (%)
Emergent	5 - 25
Other	26 - 50
Shrubby / Arborescent	5 - 25

## Species

### Flora

Species	Dominance	Reference
Anagallis arvensis		
Erica multiflora		
Medicago orbicularis		
Prasium majus		
Sedum caeruleum		

## References

### Representative Image & Map





