



MAL069 - It-Tghatigha

Description

It-Tghatigha is an artificially constructed reservoir, intended for irrigation and water storage, located in southern Malta within Santa Luċija. The reservoir is constructed out of cement and covers an approximate area of 1,630m². The site is accessible by a surfaced road, however, the reservoir itself is fenced off. Surfaced roads are located to the north and west of the reservoir, with an abandoned field to the east and active agricultural land to the south indicating that the reservoir is likely being used for irrigation. The site has no vegetation present within the border, however, it is located close to Wied ta' Garnaw. Within the reservoir, a large population of *Lemna minor* L. is present. The site is not protected under any legislation.

General information

Basic information

Wetland location:	Inland
Wetland type:	Artificial
Natural / Artificial:	Reservoir
Area (Ha):	0.20
Hydrological interaction with other wetland:	No -
Water salinity:	Fresh (< 0.5 g/l)
Fresh water entry:	Catchment area (precipitation)
Surface water runoff:	Other
Open water area (%):	> 95
Hydroperiod:	Permanent

Geographic information

Census district:	South Eastern
Island:	Malta
Local council:	Santa Lucija
Coordinates (WGS84):	14.506050 E - 35.860170 N

Biological significance

Biological significance:	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

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
130 = Irrigation	Medium
701 = water pollution	Medium
954 = invasion by a species	High

Activities on drainage basin

Activities	Intensity
100 = Cultivation	Medium
110 = Use of pesticides	Medium
120 = Fertilisation	Medium
130 = Irrigation	Medium
401 = continuous urbanisation	High
402 = discontinuous urbanisation	Medium
709 = other forms or mixed forms of 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 (%)
Floating-leaved	5 - 25

Species

Flora

Species	Dominance	Reference
Lemna minor		

References

Representative Image & Map



