MAL053 - Ta' Ghamajra

Description

Ta’ Għamajra are a cluster of artificially constructed reservoirs, intended for irrigation and water storage, located within western Malta close to Ħad-Dingli. The reservoirs have been constructed out of limestone bricks and cement, and cover an approximate area of 1,110m2. The site is accessible from a dirt road, however, the reservoirs are located on privately-owned property. The reservoirs receive water via precipitation and from water pumped from the perched aquifer. The site is predominantly surrounded by agricultural land and the reservoirs are being used to irrigate these fields. No vegetation was present within or around the reservoirs. There is no data present regarding wildlife, however, goldfish and mosquito fish are present as noted during the field survey. The site is not protected by any legislation.

General information

Basic information

Wetland location:	Inland
Wetland type:	Artificial
Natural / Artificial:	Concrete reservoir
Area (Ha):	0.10
Hydrological interaction with other wetland:	No -
Water salinity:	Fresh (< 0.5 g/l)
Fresh water entry:	Karstic spring
Surface water runoff:	Outflow controlled by pipeline
Open water area (%):	76 - 95
Hydroperiod:	Permanent

Geographic information

Census district:	Western
Island:	Malta
Local council:	Had-Dingli
Coordinates (WGS84):	14.392000 E - 35.864880 N

Biological significance

Biological significance:	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

Ecosystem Services, Activities & Impacts

Ecosystem Services

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

Activities on wetland

Activities	Intensity
020 = Resource conservation	High
130 = Irrigation	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
422 = disposal of industrial waste	Medium
430 = Agricultural structures	High
440 = Storage of materials	High
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	
PU- = Increase of turbidity	

Habitats & Vegetation

Vegetation types

Vegetation type	Coverage (%)
Emergent	5 - 25

Species

Flora

Species	Dominance	Reference
Arundo donax		

References

Representative Image & Map

