GOZ020 - Wied tal-Altellier

Description

Wied tal-Altellier is an artificial dam lake, located in eastern Gozo, between Xagħra and Nadur. The site is located in a rural location, however it is accessible through an unpaved road. The dam lake covers an approximate area of 7,040m2. The site is predominantly surrounded by agricultural land with elevated pipelines present within the basin of the site. It is likely that the water collected is being utilised for irrigation purposes. The perimeter of the site is surrounded by species including, Arundo Donax, Tamaric sp., Geranium mole, Foeniculum volgare and Opuntia ficus-indica. A large population of Lemna minor is also present within the damn lake.

Within the dam lake, the alien frog, Pelophylax bedriagae is also present. The site falls within a No Trapping Zone under S.L. 504.71.

General information

Basic information

Wetland location:	Inland
Wetland type:	Artificial
Natural / Artificial:	Dam lake
Area (Ha):	0.70
Hydrological interaction with other wetland:	Yes - GOZ025/GOZ010/GOZ005
Water salinity:	Fresh (< 0.5 g/l)
Fresh water entry:	Catchment area (precipitation)
Surface water runoff:	Outflow controlled by pipeline
Open water area (%):	> 95
Hydroperiod:	Permanent

Geographic information

Census district:	Gozo and Comino
Island:	Gozo
Local council:	In-Nadur
Coordinates (WGS84):	14.280230 E - 36.044430 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

Public

Protection statuses & other designations

Ecosystem Services, Activities & Impacts

Ecosystem Services

Type of Ecosystem service	Ecosystem service	Scale of Benefit	Importance
Cultural services	Recreation and tourism		
Provisioning services	Food		
Provisioning services	Fresh water		
Regulatory services	Flood hazard regulation		
Regulatory services	Water purification		
Regulatory services	Water regulation		

Activities on wetland

Activities	Intensity
020 = Resource conservation	High
130 = Irrigation	High
701 = water pollution	High
790 = Other pollution/human impacts/activities	Low
952 = eutrophication	Medium
954 = invasion by a species	Low

Activities on drainage basin

Activities	Intensity
100 = Cultivation	High
110 = Use of pesticides	High
120 = Fertilisation	High
130 = Irrigation	High
230 = Hunting	High
401 = continuous urbanisation	Low
430 = Agricultural structures	Low
501 = paths tracks cycling tracks	Low
701 = water pollution	High
790 = Other pollution/human impacts/activities	Low

Impacts

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

Habitats & Vegetation

Vegetation types

Vegetation type	Coverage (%)
Emergent	76 - 95
Floating-leaved	26 - 50
Other	26 - 50
Shrubby / Arborescent	< 5

Species

Flora

Species	Dominance	Reference
Arundo donax		
Foeniculum vulgare		
Geranium molle		
Lemna minor		
Opuntia ficus-indica		
Tamarix sp.		

Fauna

Amphibians	Presence in wetland	References
Pelophylax bedriagae (Camerano, 1882)		

References

Representative Image & Map




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Wied tal-Altellier
Google Earth
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