



MAL065 - Ta' Kalc 1

Description

Ta' Kalc is a cluster of artificially constructed reservoirs, intended for irrigation and water storage, located in western Malta within Dingli. The reservoirs were constructed out of cement and cover an approximate area of 1,110m². The site is accessible by the public through a dirt road. The reservoir is predominantly surrounded by agricultural land, with pipelines scattered throughout nearby fields, indicating that the reservoirs are likely being used for irrigation. A single *Ceratonia siliqua* is present growing within the basin of the eastern reservoir. This reservoir borders the Coastal Cliffs Area of Ecological Importance, Area of High Landscape Value and Special Area of Conservation – International Importance.

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:	Catchment area (precipitation)
Surface water runoff:	Outflow controlled by pipeline
Open water area (%):	> 95
Hydroperiod:	Permanent

Geographic information

Census district:	Western
Island:	Malta
Local council:	Had-Dingli
Coordinates (WGS84):	14.374460 E - 35.859420 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

Protection status

Protection status category	Protection status subcategory	Site name	Code	Coverage (%)	Legislation
International	Important Bird and Biodiversity Areas	Il-Kullana to ta' Gifen Cliffs	MT008	100	

Important bird areas

IBA Code	Site name	Coverage (%)
MT008	Il-Kullana to ta' Gifen Cliffs	100

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	Medium
701 = water pollution	Medium

Activities on drainage basin

Activities	Intensity
100 = Cultivation	Medium
110 = Use of pesticides	Medium
120 = Fertilisation	Medium
130 = Irrigation	Medium
401 = continuous urbanisation	Low
402 = discontinuous urbanisation	Low
430 = Agricultural structures	Low
502 = roads motorways	Low
701 = water pollution	Medium

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 (%)
Emergent	< 5
Shrubby / Arborescent	5 - 25

Species

Flora

Species	Dominance	Reference
Ceratonia siliqua		

References

Representative Image & Map

