



## MAL067 - Ta' Kalc 2

### Description

Ta' Kalc is an artificially constructed reservoir, intended for irrigation and water storage, located in western Malta within Dingli. The reservoir has been constructed out of cement and covers an area of 1,420m<sup>2</sup>. The site is accessible by a dirt road, however, it is located on privately-owned property. The reservoir lies adjacent to a residential household within an agricultural area. Due to the site being surrounded by active and inactive agricultural land, the reservoir is likely to be used for irrigation of these fields. *Ceratonia siliqua* and *Arundo donax* were noted growing around the reservoir. The site is not protected by any legislation, however, it borders the Coastal Cliffs Area of Ecological importance, Area of High Landscape Value and Special Area of Conservation – International Importance.

### General information

#### Basic information

<b>Wetland location:</b>	Inland
<b>Wetland type:</b>	Artificial
<b>Natural / Artificial:</b>	Concrete reservoir
<b>Area (Ha):</b>	0.10
<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>	Outflow controlled by pipeline
<b>Open water area (%):</b>	> 95
<b>Hydroperiod:</b>	Permanent

#### Geographic information

<b>Census district:</b>	Western
<b>Island:</b>	Malta
<b>Local council:</b>	Had-Dingli
<b>Coordinates (WGS84):</b>	14.375580 E - 35.859150 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

Private
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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		
Supporting services	Provision of habitat		

### Activities on wetland

Activities	Intensity
020 = Resource conservation	High
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
430 = Agricultural structures	Medium
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

## Species

### Flora

Species	Dominance	Reference
Arundo donax		
Ceratonia siliqua		

## References

### Representative Image & Map

