



## MAL029 - Ta' Qali 3

### Description

Ta' Qali is an old abandoned quarry that had been turned into a water reservoir, located within the former Flower Power gardening complex in the outskirts of Mosta. The site is accessible by a dirt road, however, it is located on privately-owned property, and covers an approximate area of 2,720m<sup>2</sup>. The quarry is surrounded by abandoned agricultural land, abandoned buildings and derelict greenhouse structures. Due to the topography of the area alongside an individual pipeline entering the reservoir, it is assumed that apart from precipitation, the reservoir is being filled by surface runoff. There is no indication that the water accumulated is being used for irrigation. The quarry was completely submerged in water and dominated by two species; *Typha domingensis* and *Cyperus longus* subsp. *bandius*. The site falls within the Ta' Qali Recreation Area and the Ta' Qali Action Plan Area. The future of the site is unclear due to the reservoir being part of a proposed development for the construction of a sports village.

### General information

#### Basic information

<b>Wetland location:</b>	Inland
<b>Wetland type:</b>	Artificial
<b>Natural / Artificial:</b>	Excavations/gravel/brick/clay pit pool
<b>Area (Ha):</b>	0.30
<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>	Northern
<b>Island:</b>	Malta
<b>Local council:</b>	H\Attard
<b>Coordinates (WGS84):</b>	14.423800 E - 35.898570 N

#### Biological significance

<b>Biological significance:</b>	Low
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#### Ramsar wetland types

Ramsar type	Coverage (%)
7 -- Excavations; gravel/brick/clay pits; borrow pits, mining pools	

## 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	Fresh water		
Regulatory services	Flood hazard regulation		
Regulatory services	Water regulation		

### Activities on wetland

Activities	Intensity
020 = Resource conservation	High
110 = Use of pesticides	Low
120 = Fertilisation	Low
130 = Irrigation	Low
301 = quarries	High
790 = Other pollution/human impacts/activities	Low

### Activities on drainage basin

Activities	Intensity
100 = Cultivation	Low
110 = Use of pesticides	Low
120 = Fertilisation	Low
130 = Irrigation	Low
419 = other industrial / commercial areas	Low
430 = Agricultural structures	Low
502 = roads motorways	High
701 = water pollution	Medium
790 = Other pollution/human impacts/activities	High

### Impacts

Impact type	Intensity
EE- = Increase of economic potential	
ES- = Increase in water supply	
PF- = Fertilizer/Excess nutrient pollution	
PP- = Pesticide pollution	
WD- = Diversion of flowing water	

## Habitats & Vegetation

### Vegetation types

Vegetation type	Coverage (%)
Emergent	5 - 25

## Species

### Flora

Species	Dominance	Reference
<i>Cyperus longus</i> subsp. <i>badius</i>		
<i>Typha domingensis</i>		

## References

## Representative Image & Map

