



## MAL053 - Ta' Ghamajra

### Description

Ta' Ghamajra are a cluster of artificially constructed reservoirs, intended for irrigation and water storage, located within western Malta close to Had-Dingli. The reservoirs have been constructed out of limestone bricks and cement, and cover an approximate area of 1,110m<sup>2</sup>. 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

|   |                                |
|---|--------------------------------|
| <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>                           | Karstic spring                 |
| <b>Surface water runoff:</b>                        | Outflow controlled by pipeline |
| <b>Open water area (%):</b>                         | 76 - 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> | 14.392000 E - 35.864880 N |

#### Biological significance

|                                 |     |
|---------------------------------|-----|
| <b>Biological significance:</b> | 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

