



## GOZ012 - Tas-Seqer Reservoir

### Description

Tas-Seqer is an artificially constructed reservoir, intended for irrigation and water storage, located in western Gozo within the rural village of Għarb. The borders of the reservoir have been constructed out of cement, beneath a rubble wall. The reservoir covers an area of approximately 1,080m<sup>2</sup>. Access to the site is via a dirt road, however, it appears to be located on privately-owned property. Since the site is predominantly surrounded by agricultural land, the reservoir is likely to be used for the irrigation of these fields. Ducks and aquatic insects were 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>                           | 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>     | Gozo and Comino           |
| <b>Island:</b>              | Gozo                      |
| <b>Local council:</b>       | Ta' Kercem                |
| <b>Coordinates (WGS84):</b> | 14.219010 E - 36.053370 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             |                  |            |
| Regulatory services       | Flood hazard regulation |                  |            |

### Activities on wetland

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

### Activities on drainage basin

| Activities                    | Intensity |
|-------------------------------|-----------|
| 100 = Cultivation             | High      |
| 110 = Use of pesticides       | High      |
| 120 = Fertilisation           | High      |
| 130 = Irrigation              | High      |
| 430 = Agricultural structures | Low       |
| 502 = roads motorways         | High      |
| 701 = water pollution         | High      |

### Impacts

| Impact type                                     | Intensity |
|-------------------------------------------------|-----------|
| EE- = Increase of economic potential            |           |
| EI- = Increase of other socio-economic value(s) |           |
| ER- = Increase in flow regulation               |           |
| ES- = Increase in water supply                  |           |
| PF- = Fertilizer/Excess nutrient pollution      |           |
| PP- = Pesticide pollution                       |           |

## Habitats & Vegetation

### Vegetation types

| Vegetation type | Coverage (%) |
|-----------------|--------------|
| Floating-leaved | 51 - 75      |

## Species

### Flora

| Species | Dominance | Reference |
|---------|-----------|-----------|
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Lemna minor

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## References

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## Representative Image & Map

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