# MAL072 - Wied ta' Sant' Andrija

## Description

Wied ta’ Sant Andrija is an artificially constructed reservoir, intended for water storage and flood prevention, located in western Malta within Is-Siġġiewi. The reservoir is constructed out of cement and covers an approximate area of 1,200m2. The site is accessible to the public by a surfaced road. A culvert was present on an active surfaced road, channelling water to the reservoir indicating it is being used as a flood prevention measure. The site is surrounded by surfaced roads and residential dwellings, however, active agricultural land is present to the north. It is unclear if the reservoir is being used for irrigation as pipelines were not visible. Within the basin of the reservoir, a sizable population of rudimental species were present, whilst within the reservoir a minute population of Rumex conglomeratus was present. The site is not protected under any legislation

## General information

### Basic information

| | |
|---|---|
| **Wetland location:** | Inland |
| **Wetland type:** | Artificial |
| **Natural / Artificial:** | 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:** | There is no obvious water outflow |
| **Open water area (%):** | > 95 |
| **Hydroperiod:** | Permanent |

### Geographic information

| | |
|---|---|
| **Census district:** | Western |
| **Island:** | Malta |
| **Local council:** | Is-Siggiewi |
| **Coordinates (WGS84):** | 14.434480 E - 35.847290 N |

### Biological significance

| | |
|---|---|
| **Biological significance:** | Low |

### Ramsar wetland types

| Ramsar type | Coverage (%) |
|---|---|
| 6 -- Water storage areas; reservoirs/barrages/dams/impoundments (generally over 8 ha) | |

### Property status

Public

# 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 | | |

## 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 |
| 402 = discontinuous urbanisation | Medium |
| 430 = Agricultural structures | Low |
| 502 = roads motorways | High |
| 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 (%) |
|---|---|
| Wet meadow | < 5 |

# Species

## Flora

| Species | Dominance | Reference |
|---|---|---|
| Plantago major | | |

## References

## Representative Image & Map




MAL072
Wied ta' Sant' Andrija
Google Earth
N
100 m