



## 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-Sigġiewi. The reservoir is constructed out of cement and covers an approximate area of 1,200m<sup>2</sup>. 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

<b>Wetland location:</b>	Inland
<b>Wetland type:</b>	Artificial
<b>Natural / Artificial:</b>	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>	There is no obvious water outflow
<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>	Is-Sigġiewi
<b>Coordinates (WGS84):</b>	14.434480 E - 35.847290 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

Public
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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		

### 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

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### Representative Image & Map

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