



ES532MAL131 - Binissalem Water treatment plant

General information

Basic information

Wetland location:	Inland
Natural / Artificial:	Artificial
Wetland type:	Wastewater treatment area
Area (Ha):	6.4
Hydrological interaction with other wetland:	No -
Water salinity:	Fresh (< 0.5 g/l)
Surface water runoff:	Outflow controlled by pipeline
Open water area (%):	> 95
Hydroperiod:	Permanent

Geographic information

Province:	Mallorca
Autonomous region:	Balearic Islands
Island:	Mallorca
Municipality:	Binissalem
Coordinates (WGS84):	2.866509 E - 39.684612 N

Biological significance

Biological significance:	High
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Ramsar wetland types

Ramsar type	Coverage (%)
8 -- Wastewater treatment areas; sewage farms, settling ponds, oxidation basins, etc.	> 95

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	Fresh water		
Supporting services	Provision of habitat		

Activities on wetland

Activities	Intensity
490 = Other urbanisation industrial and similar activities	High

Activities on drainage basin

Activities	Intensity
130 = Irrigation	High
403 = dispersed habitation	Medium
502 = roads motorways	Medium

Impacts

Impact type	Intensity
EW- = Increase in wilderness/wildlife values	High
PCO = Chemical pollution of an unknown severity/duration	Unknown

Habitats & Vegetation

Habitat types

Habitat types	Coverage (%)
92A0 Salix alba and Populus alba galleries	< 5
92D0 Southern riparian galleries and thickets (Nerio-Tamaricetea and Securinegion tinctoriae)	< 5

Species

Flora

Species	Dominance	Reference
Arundo donax Linnaeus 1753		Sebastià & Vicens, 2010.
Lemna sp.	Co-dominant	
Phragmites australis (Cavanilles) von Trinius ex v		Sebastià & Vicens, 2010.
Polygonum salicifolium Broussonet ex von Willdenow		
Populus alba Linnaeus 1753		
Rubus ulmifolius Schott 1818	Dominant	
Tamarix sp.		
Typha sp.		Sebastià & Vicens, 2010.

Fauna

Birds	Population	Nesting status	References
Anas clypeata Linnaeus 1758	1-10	Not nesting	Manchado et al., 2017
Anas platyrhynchos Linnaeus 1758	10-100	Not nesting	Manchado et al., 2017
Anas platyrhynchos Linnaeus 1758	1-10	Nesting	
Aythya ferina Linnaeus 1758	1-10	Not nesting	
Aythya nyroca Guldenstadt 1770	1-10	Not nesting	Vicens, Anuari Ornitològic de les Balears 2018
Cygnus atratus (Latham 1790)	1-10	Not nesting	
Charadrius dubius Scopoli 1786	10-100	Not nesting	
Charadrius dubius Scopoli 1786	1-10	Nesting	

<i>Gallinago gallinago</i> (Linnaeus 1758)	1-10	Not nesting	Manchado et al., 2017
<i>Himantopus himantopus</i> (Linnaeus 1758)	1-10	Nesting	
<i>Larus michahellis</i> Naumann 1840	1-10	Not nesting	
<i>Tringa ochropus</i> Linnaeus 1758	1-10	Not nesting	
<i>Columba palumbus</i> Linnaeus 1758	1-10	Nesting	
<i>Falco tinnunculus</i> Linnaeus 1758	1-10	Not nesting	
<i>Fulica atra</i> Linnaeus 1758	1-10	Not nesting	Manchado et al., 2017
<i>Fulica atra</i> Linnaeus 1758	1-10	Nesting	
<i>Gallinula chloropus</i> (Linnaeus 1758)	10-100	Not nesting	Manchado et al., 2017
<i>Gallinula chloropus</i> (Linnaeus 1758)	1-10	Nesting	
<i>Porphyrio porphyrio</i> (Linnaeus 1758)	1-10	Not nesting	Manchado et al., 2017
<i>Porphyrio porphyrio</i> (Linnaeus 1758)	1-10	Nesting	
<i>Carduelis carduelis</i> (Linnaeus 1758)	1-10	Nesting	
<i>Carduelis chloris</i> (Linnaeus 1758)	10-100	Nesting	
<i>Carduelis chloris</i> (Linnaeus 1758)	1-10	Nesting	
<i>Cettia cetti</i> (Temminck 1820)	1-10	Nesting	
<i>Cisticola juncidis</i> (Rafinesque 1810)	1-10	Nesting	
<i>Delichon urbicum</i> (Linnaeus 1758)	1-10	Not nesting	
<i>Emberiza calandra</i> Linnaeus 1758	10-100	Nesting	
<i>Hirundo rustica</i> Linnaeus 1758	10-100	Not nesting	
<i>Motacilla cinerea</i> Tunstall 1771	1-10	Not nesting	
<i>Parus major</i> Linnaeus 1758	1-10	Nesting	
<i>Passer domesticus</i> (Linnaeus 1758)	1-10	Nesting	
<i>Sturnus vulgaris</i> Linnaeus 1758	1-10	Not nesting	
<i>Sylvia melanocephala</i> (Gmelin 1789)	10-100	Nesting	
<i>Turdus merula</i> Linnaeus 1758	1-10	Nesting	
<i>Ardea cinerea</i> Linnaeus 1758	1-10	Not nesting	
<i>Bubulcus ibis</i> (Linnaeus 1758)	100-1000	Not nesting	Manchado et al., 2017
<i>Bubulcus ibis</i> (Linnaeus 1758)	10-100	Nesting	
<i>Egretta garzetta</i> (Linnaeus 1766)	1-10	Not nesting	Manchado et al., 2017
<i>Phalacrocorax carbo</i> (Linnaeus 1758)	1-10	Not nesting	Manchado et al., 2017
<i>Tachybaptus ruficollis</i> (Pallas 1764)	1-10	Not nesting	Manchado et al., 2017
<i>Tachybaptus ruficollis</i> (Pallas 1764)	1-10	Nesting	

Reptiles

Trachemys scripta (Schoepff, 1792)

Presence in wetland

Common

References**Amphibians**

Bufotes balearicus (Boettger, 1880)

Presence in wetland

Present

References

Bioatles-CAIB, 2017

Pelophylax perezi (Seoane, 1885)

Common

References

Manchado, J., Méndez, X, Suárez, M. & Cardona, E. Recompte hivernal d'aus aquàtiques, limícoles i gavines a les Balears, gener 2017. AOB 2016, vol 31: 25-38. GOB. Palma.

Sebastià, C. & Vicens, P. 2010. Nova colònia de cria d'esplugabous *Bubulcus ibis* a les Illes Balears. AOB vol 25: 43-46. GOB. Palma.

Sitibsa, 2006b. Document tècnic de delimitació, caracterització, classificació i inventari de les zones humides de les Illes Balears. Cartografia Vegetal de les Zones Humides de les Illes Balears. Conselleria de Medi Ambient. Govern de les Illes Balears.

Representative Image & Map

