

Catchment Area Datasheet

MedWet

Record code 219 Catchment code A014

Bacino Padule Biscottino

Location

Latitude from 43 36 23 N **to** 43 37 19 N
Longitude from 10 22 14 E **to** 10 24 49 E
Altitude minimum (m) -0,50 **Altitude maximum** 1,50
(m)

Physiographical information

Area (Km2) 0,49 **River length (Km)**

Meteorological data **Minimum mean rainfall (mm)**
Maximum mean rainfall (mm)
Minimum mean temperature (oC)

Dominant bioclimates **Maximum mean temperature (oC)**
1. %
2. %
3. %
%

Flow (Hm3/year)

Population, landcover and impacts

Number of villages/towns of <1000 hab
1000-10000 hab 2
10000-100000 hab
>100000 hab
Year of recording 1991
Percentage (%) of area devoted to artificial surface 69,00
agricultural areas 29,00
forest/semi-natural areas 1,70
wetlands
water bodies

Remarks

climate

Hydrology

Bacino alimentato prevalentemente dalla falda acquifera poco profonda e da acque meteoriche.

Geology

Il bacino ricade su terreno torboso olocenico.

La zona prettamente umida si è instaurata su ex cave di argilla.

Population, landcover and impacts

I dati demografici sono stati ricavati dal censimento ISTAT 1991. Il bacino rientra nei bacini di Cascina (PI) e di Collesalveti (LI)

Uses

Impacts

Invasione da parte del canneto che riduce le superfici libere allagate

Presenza di numerose linee elettriche ad alta tensione

Presenza dell'autostrada Genova Rosignano e della SS67 bis lungo il confine settentrionale

Date

10 / 11 / 2004

Site Datasheet

Record code 469 Site code IT51273301 Date 23/10/2004

Padule di Biscottino

1. Identification

Other codes

CORINE IWC
RAMSAR IBA

2. Location

Latitude 43 36 54 N Altitude minimum (m) -0,20
Longitude 10 23 48 E Altitude maximum (m) 4,20

Administrative divisions

NUTS code Subdivision Cover
IT516 Comune di Collesalveti (Cod. ISTAT 49008) 100,00

Catchment name Bacino Padule Biscottino
Catchment code A014

Complexes

3. Description

Area (Ha) 48,70

Description

Palude residua della piana costiera dell'Arno, in un contesto di canali di bonifica e di forte antropizzazione (presenza di strade, edifici, ecc.). Presenza di fragmiteti con chiari di acqua dolce.

3.1 Physiographical information

climate

Bioclimate

Mean temperature (oC)

Mean monthly temperature (oC)

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Mean rainfall (mm)

Mean monthly rainfall (mm)

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Meteorological station Donoratico

Period of recording (years) from 0 to 0

Water regime

Inflow

Ground water
Rain only

Permanency

Permanent
Non-permanent

Outflow

Artificial

Inflow/outflow remarks

Presence of water

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
3 4	3 4	3 4	3 4	3 4	3 4	3 4	3 4	3 4	3 4	3 4	3 4

1st character (spatial scale): 1- totally dry; 2- partially flooded; 3- totally flooded.

2nd character (permanency scale): 1- never flooded; 2- exceptionally flooded; 3- regularly flooded; 4- permanently flooded.

Hydrology remarks

Gli apporti idrici provengono per la quasi totalità dalle precipitazioni e da affioramenti di falda. L'area non ha né immissari né emissari.

Geology/ Geomorphology

Il substrato è costituito da sedimenti alluvionali dell'Arno e dei torrenti provenienti dalle Colline livornesi e pisane (oggi arginati). L'area è perfettamente pianeggiante, con modesti rilievi artificiali (argini di canali, strade).

3.2. Ecological information

Code	Ramsar wetland types	Cover %
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Ecological importance

4. Values

4.1. Ramsar criteria

Code	Description
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4.2. Values

Code	I	N	R	L	Description
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I=International, N=National, R=Regional, L=Local

1=insufficient information, 2=Low significance at this level, 3=Moderate significance at this level,

4=High significance at this level

5. Status

Code	Designation	Legislation	Cover %
IT13	Vincoli Idrogeologici		100,00
IT11	Vincolo paesaggistico	1497/39 e succ modif	100,00
INC1	pSIC "Padule di Suese e Biscottino"	Dir 92/43/CEE DPR 357/97 DPR 342/98 L.R. 56/00 Del C.R. 6/2004	78,50
IND1	ZPS "Padule di Suese e Biscottino"	Dir 79/409/CEE DPR 357/97 L.R. 56/00 Del C.R. 6/2004	78,50

Site tenure

Proprietà privata.

Site status/management

Zona di protezione lungo le rotte di migrazione dell'avifauna (art. 14 LR 3/94, Cod. IT25).
 E' in corso uno studio sull'avifauna presente nelle zone ex art. 14 LR 3/94 ricadenti nella Provincia di Livorno, affidato alla LIPU dall'Amministrazione Provinciale di Livorno (Ufficio caccia)

Additional info

6. Habitats

Code	Permanency	Salinity	Area (ha)	Max. depth (m)	Condition	Artificiality	pH
P - E P P	E Permanent	Fresh (<0.5 g/l)	12,00	1,00	Original vegetation/landform partially modified (10-50% untouched)	Naturally flooded	
P - O M F F E	Permanent	Fresh (<0.5 g/l)	1,00	1,50	Original vegetation/landform partially modified (10-50% untouched)	Naturally flooded	
P - O M A	E Permanent	Fresh (<0.5 g/l)	2,20	1,20	Original vegetation/landform totally changed	Heavily controlled	
P - E P S	Seasonal	Fresh (<0.5 g/l)	2,20		Original vegetation/landform still predominant (> 50%)	Naturally flooded	
P - E P T	Temporary/Intermittent	Fresh (<0.5 g/l)	23,00		Original vegetation/landform partially modified (10-50% untouched)	Naturally flooded	
P - E P S	D Seasonal	Fresh (<0.5 g/l)	1,00		Original vegetation/landform partially modified (10-50% untouched)	Partially controlled	

P - E P T E	Permanent	Fresh (<0.5 g/l)	1,80	0,50	Original vegetation/landform partially modified (10-50% untouched)	Naturally flooded
R W O M P F E	Permanent	Fresh (<0.5 g/l)	0,05	1,00	Original vegetation/landform totally changed	Partially controlled

7. Flora

Species	Dominance type	Cover	Height
<i>Phragmites australis</i>		50 - 75%	1 to 3 metres
<i>Cichorium intybus</i>		Present	< 1 metre
<i>Calystegia sepium</i>		Present	1 to 3 metres
<i>Daucus carota</i>		Present	< 1 metre
<i>Convolvulus arvensis</i>		Present	< 1 metre
<i>Calamintha nepeta</i>		Present	< 1 metre
<i>Dipsacus fullonum</i>		Present	1 to 3 metres
<i>Verbascum sinuatum</i>		Present	< 1 metre
<i>Rubus ulmifolius</i>		Present	1 to 3 metres
<i>Picris echioides</i>		Present	< 1 metre
<i>Scolymus hispanicus</i>		Present	< 1 metre
<i>Trifolium angustifolium</i>		Present	< 1 metre
<i>Cirsium arvense</i>		Present	1 to 3 metres
<i>Inula viscosa</i>		Present	< 1 metre
<i>Hedysarum coronarium</i>		Present	< 1 metre
<i>Rumex conglomeratus</i>		Present	< 1 metre
<i>Tordylium apulum</i>		Present	< 1 metre
<i>Aristolochia clematidis</i>		Present	< 1 metre
<i>Lythrum salicaria</i>		Present	1 to 3 metres
<i>Iris pseudacorus</i>		Present	< 1 metre
<i>Ulmus minor</i>		Present	> 6 metres
<i>Cornus sanguinea</i>		Present	3 to 6 metres
<i>Bolboschoenus maritimus</i>		Present	< 1 metre
<i>Populus nigra</i>		Present	> 6 metres
<i>Salix babylonica</i>		Present	3 to 6 metres
<i>Blackstonia perfoliata</i>		Present	< 1 metre
<i>Linaria vulgaris</i>		Present	< 1 metre
<i>Verbena officinalis</i>		Present	< 1 metre
<i>Galium verum</i>		Present	< 1 metre
<i>Plantago lanceolata</i>		Present	< 1 metre
<i>Eupatorium cannabinum</i>		Present	< 1 metre
<i>Mentha suaveolens</i>		Present	< 1 metre
<i>Sambucus nigra</i>		Present	3 to 6 metres

<i>Urtica dioica</i>	Present	< 1 metre
<i>Solanum dulcamara</i>	Present	1 to 3 metres
<i>Periploca graeca</i>	Present	1 to 3 metres
<i>Lycopus europaeus</i>	Present	< 1 metre
<i>Typha angustifolia</i>	1 - 10%	1 to 3 metres
<i>Carex otrubae</i>	Present	< 1 metre
<i>Senecio erraticus erraticus</i>	Present	1 to 3 metres
<i>Artemisia verlotiorum</i>	Present	1 to 3 metres
<i>Lavatera punctata</i>	Present	< 1 metre
<i>Paspalum dilatatum</i>	Present	< 1 metre
<i>Althaea cannabina</i>	Present	1 to 3 metres
<i>Plantago major</i>	Present	< 1 metre
<i>Tamarix gallica</i>	Present	3 to 6 metres
<i>Silybum marianum</i>	Present	1 to 3 metres
<i>Vitis vinifera</i>	Present	1 to 3 metres
<i>Sonchus arvensis uliginosus</i>	Present	< 1 metre

8.1. Fauna, Birds

Species	Status	Number	Abundance	Pairs	Recording date	
					Month	Year
<i>Tachybaptus ruficollis</i>	Breeding				0	0
<i>Phalacrocorax carbo</i>	Wintering				0	0
<i>Botaurus stellaris</i>	Wintering		Rare		0	0
<i>Ixobrychus minutus</i>	Breeding				0	0
<i>Ardeola ralloides</i>	Breeding				0	1983
<i>Egretta garzetta</i>	Wintering				0	0
<i>Egretta alba</i>	Wintering		Rare		0	0
<i>Ardea cinerea</i>	Wintering		Uncommon		0	0
<i>Ardea purpurea</i>	Breeding			7	0	1995
<i>Anser anser</i>	Wintering		Rare		0	0
<i>Tadorna tadorna</i>	Wintering				0	0
<i>Anas penelope</i>	Wintering				0	0
<i>Anas strepera</i>	Wintering				0	0
<i>Anas crecca</i>	Wintering				0	0
<i>Anas platyrhynchos</i>	Resident				0	0
<i>Anas acuta</i>	Wintering				0	0
<i>Anas querquedula</i>	Staging				0	0
<i>Anas clypeata</i>	Wintering				0	0
<i>Aythya ferina</i>	Wintering				0	0
<i>Aythya nyroca</i>	Wintering				0	0
<i>Aythya fuligula</i>	Wintering				0	0
<i>Circus aeruginosus</i>	Wintering				0	0
<i>Circus cyaneus</i>	Wintering				0	0
<i>Circus pygargus</i>	Breeding				0	0
<i>Buteo buteo</i>	Wintering		Common		0	0
<i>Falco tinnunculus</i>	Wintering				0	0
<i>Falco subbuteo</i>	Staging				0	0
<i>Falco peregrinus</i>	Wintering				0	0
<i>Coturnix coturnix</i>	Staging				0	0
<i>Rallus aquaticus</i>	Breeding				0	0
<i>Gallinula chloropus</i>	Breeding		Common		0	0
<i>Fulica atra</i>	Breeding				0	0

<i>Charadrius dubius</i>	Breeding		0	0
<i>Pluvialis apricaria</i>	Wintering		0	0
<i>Vanellus vanellus</i>	Wintering	Common	0	0
<i>Gallinago gallinago</i>	Wintering		0	0
<i>Larus melanocephalus</i>	Wintering		0	0
<i>Larus ridibundus</i>	Wintering		0	0
<i>Larus cachinnans</i>	Wintering		0	0
<i>Columba palumbus</i>	Staging		0	0
<i>Streptopelia turtur</i>	Resident		0	0
<i>Streptopelia turtur</i>	Staging		0	0
<i>Cuculus canorus</i>	Staging		0	0
<i>Tyto alba</i>	Staging		0	0
<i>Otus scops</i>	Staging		0	0
<i>Athene noctua</i>	Resident		0	0
<i>Acrocephalus melanopogon</i>	Breeding		0	0

8.2. Fauna, Mammals

Species	Status	Number	Abundance	Pairs	Recording date	
					Month	Year
<i>Vulpes vulpes</i>					0	0
<i>Myocastor coypus</i>					0	0
<i>Lepus europaeus</i>					0	0

8.3. Fauna, Fishes

Species	Abundance	Recording date	
		Month	Year
<i>Cyprinus carpio</i>		0	0
<i>Esox lucius</i>		0	0
<i>Ictalurus melas</i>		0	0

8.4. Fauna, Amphibians

Species	Number	Abundance	Recording date	
			Month	Year
<i>Rana esculenta complex</i>			0	0

8.5. Fauna, Reptiles

Species	Number	Abundance	Recording date	
			Month	Year
<i>Natrix natrix</i>			0	0

8.6. Fauna, Invertebrates

Species	Abundance	Recording date	
		Month	Year
<i>Pieris brassicae</i>		7	2004
<i>Gonepteryx cleopatra</i>		7	2004
<i>Maculinea arion</i>		7	2004
<i>Procambarus clarkii</i>		7	2004
<i>Carabus alysidotus</i>		0	0
<i>Carabus violaceus picenus</i>		0	0
<i>Leistus fulvibarbis</i>		0	0
<i>Nebria brevicollis</i>		0	0
<i>Notiophilus geminatus</i>		0	0
<i>Notiophilus quadripunctatus</i>		0	0
<i>Distichus planus</i>		0	0
<i>Scarites buparius</i>		0	0
<i>Parallelomorphus terricola</i>		0	0
<i>Clivina fossor</i>		0	0
<i>Dyschirius globosus</i>		0	0
<i>Dyschirius importunus</i>		0	0
<i>Apotomus rufus</i>		0	0
<i>Asaphidion flavipes</i>		0	0
<i>Asaphidion curtum</i>		0	0
<i>Metallina properans</i>		0	0
<i>Notaphus varius</i>		0	0
<i>Notaphus semipunctatus</i>		0	0
<i>Leja articulata</i>		0	0
<i>Leja octomaculata</i>		0	0
<i>Philochthus inoptatus</i>		0	0
<i>Philochthus lunulatus</i>		0	0
<i>Ocydromus cruciatus</i>		0	0
<i>Ocydromus tetragrammus illigeri</i>		0	0
<i>Synechosticus dahli</i>		0	0
<i>Paratachys bistratus</i>		0	0
<i>Elaphropus haemorrhoidalis</i>		0	0
<i>Perileptus areolatus</i>		0	0
<i>Trechus quadristriatus</i>		0	0
<i>Anchomenus dorsalis</i>		0	0
<i>Agonum marginatum</i>		0	0
<i>Agonum atratum</i>		0	0
<i>Steropus melas italicum</i>		0	0
<i>Amara aenea</i>		0	0
<i>Harpalus dimedius</i>		0	0

Activities and Impacts

Code	Description	Position	Trend	Importance	Cover %	Impact	Scale
Position		1- inside; 2- outside; 3-both					
Trend		1st character: 0-unknown; 1-past; 2-present; 3-previewed; 2nd character: 0-unknown; 1-increasing; 2-decreasing; 3-extinguished; 4-stable					
Importance		1st character: 1-subsistence level; 2-local; 3-regional; 4-national; 2nd character: 0-insufficient information; 1-low importance; 2-importance; 3-high importance					
SCALE		0-Unknown, 1-No major effect on major wetland values, 2-Some effect on major values but not significant, 3-Some reduction of major wetland values, 4-Significant reduction of major wetland values, 5-Loss of one or more wetland values, 6-Some enhancement of wetland values, 7-Significant enhancement of wetland values					

References

Author name	Year	Title	Publisher
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Arcamone Emiliano, 1989	1989	Lo svernamento di anatidi e folaga in Toscana- 1984-1988	Quaderni del Museo di Storia Naturale di Livorno
Meschini Enrico	1983	Cronaca ornitologica livornese:1981-1982	Quaderni Mus. St. Nat. Livorno 4:143-149
Cuoco S., Borzatti De Livorno Loewenstern A.	1995	Contributo alla conoscenza della entomofauna livornese 1. Coleoptera Cicindelidae, Coleoptera Carabidae	Quad. Mus. St. Nat.
Scoccianti C., Roberto Tinarelli	1999	Le Garzaie inToscana - Status e prospettive di conservazione	WWF- Toscana

List of Key Contacts

MedWet

Padule di Biscottino

469 - IT51273301

Key Contact	Indirizzo	Città	mail
C.O.T.	www.centroritologicotoscano.org	Livorno	
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List of Aerial Photographs

MedWet

Padule di Biscottino

foglio 273130 "Coltano" C	Programma "it2000" Terraitaly 2000 C.G.R. S.p.A. - Parma	469 - IT51273301 1998
foglio 273130 "Coltano" B/W	AGEA (Agenzia per le Erogazioni in Agricoltura) ex AIMA	2003

List of Maps

MedWet

Padule di Biscottino

CTR foglio 273130 "Coltano"	Regione Toscana	469 - IT51273301 1996
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