

Catchment Area Datasheet

MedWet

Record code 235 Catchment code C001

Bacino Padule Bolgheri

Location

Latitude from 43 12 57 N to 43 14 7 N

Longitude from 10 32 0 E to 10 34 55 E

Altitude minimum (m) 0,80 Altitude maximum (m) 19,40

Physiographical information

Area (Km2) 4,67 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 1

1000-10000 hab

10000-100000 hab

>100000 hab

Year of recording 1991

Percentage (%) of area devoted to artificial surface 2,99

agricultural areas 88,63

forest/semi-natural areas 8,38

wetlands

water bodies

Remarks
climate

Hydrology

Il bacino è delimitato dalla Fossa Camilla a nord e nord-est; da alcuni rilievi appena percettibili (paleodune) e dal Fosso Borghio a sud est e sud; dalla costa a ovest. Il Fosso Cioccaie, principale corso d'acqua interno al bacino, raccoglie le acque che drenano dai campi circostanti e confluisce nella Fossa Camilla in corrispondenza del vertice nord occidentale del bacino. Alcuni fossi e canali di bonifica, arginati e parzialmente regolati da chiuse e da un'idrovora, attraversano il bacino.

Geology

Il bacino ha una morfologia pressoché pianeggiante, con leggere ondulazioni riferibili a paleodune pleistoceniche e all'erosione idrometeorica a bassa energia. I substrati geologici affioranti sono costituiti da formazioni sedimentarie pleistoceniche, definite "sabbie rosso-arancio di Donoratico" (sabbie sciolte o debolmente legate da limo) che ricoprono le coeve "Calcareniti sabbiose di Biserno" (compatte). Presso la costa si hanno dune oloceniche di deposizione eolica e, nelle aree depresse e stagionalmente impaludate, sedimenti alluvionali e palustri recenti.

**Population,
landcover
and impacts**

I dati demografici sono stati ricavati dal censimento ISTAT 1991. Il bacino del sito ricade interamente nel Comune di Castagneto Carducci in provincia di Livorno. Sono presenti soltanto piccoli nuclei e case sparse.

Uses

Impacts

(Rif Bibl. n° 374)

- gestione dei livelli idrometrici non ottimale rispetto agli obiettivi di conservazione
- qualità insoddisfacente delle acque
- Potenziali futuri rischi di erosione costiera
- Attività agricole estensive e intensive con captazioni idriche
- Progressivo interrimento degli stagni
- Frequente sorvolo di aeromobili a bassa quota
- Presenza di specie alloctone invasive (nutria)
- Attività venatoria in aree limitrofe
- Sporadici episodi di bracconaggio
- Livelli di urbanizzazione diffusa

Date 10 / 11 / 2004

Site Datasheet

Record code 493 Site code IT51294201 Date 20/08/2004

Padule di Bolgheri

1. Identification

Other codes

CORINE	300009035	IWC	
RAMSAR	IT007	IBA	IT089

2. Location

Latitude	43	13	25	N	Altitude minimum (m)	0,80
Longitude	10	32	31	E	Altitude maximum (m)	2,20

Administrative divisions

NUTS code	Subdivision	Cover
IT516	Castagneto Carducci	100,00

Catchment name	Bacino Padule Bolgheri
Catchment code	C001

Complexes

3. Description

Area (Ha) 169,60

Description

Area umida costiera retrodunale dulciacquicola con stagni permanenti, prati umidi ad allagamento stagionale (praterie di ciperacee), boschetti igrofilo di *Fraxinus oxyphyllum* e canali di bonifica.

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 **Permanency**

Outflow

Inflow/outflow remarks

Presence of water

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3

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

L'area è solcata da vari canali di bonifica. Riceve acque dolci dalle campagne circostanti e da un'idrovora meccanizzata. Alcuni stagni, in parte arginati, sono perenni mentre gran parte dell'area palustre subisce allagamenti stagionali (dall'autunno alla primavera). I canali di bonifica, tramite chiuse, comunicano con la Fossa Camilla, realizzata alla fine del '700 attraverso le dune costiere.

Geology/ Geomorphology

L'area palustre insiste su suoli recenti (Olocene) di derivazione in parte terrigena, torrentizia e palustre, in parte eolico-marina. Uno spesso tombolo di dune separa l'area dal mare.

3.2. Ecological information

Code **Ramsar wetland types** **Cover %**

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	L. 1497/97 e succ modif	41,20
INO1	IBA n° 089 "Padule e Tombolo di Bolgheri"		100,00
INC1	pSIC "lago di Bolgheri"	Dir 92/43/CEE DPR 357/97 e succ modif L.R. 56/00 Del C.R. 6/2004 Del G.R.644/2004	100,00
IND1	ZPS "Lago di Burano"	Dir 79/409/CEE D.P.R. 357/97 Del 06/2004 Del GR 644/2004	100,00
INR1	Area Ramsar	Designazione 14/12/1976	
IT21	Rifugio faunistico di Bolgheri- WWF Italia		

Site tenure

Proprietà privata: interamente della famiglia Incisa della Rocchetta.

Site status/management

WWF ITALIA ONLUS

Additional info

IT25: ZONA DI PROTEZIONE LUNGO LE ROTTE DI MIGRAZIONE DELL'AVIFAUNA ex Art. 14 L.R. 3/94

6. Habitats

Code	Permanency	Salinity	Area (ha)	Max. depth (m)	Condition	Artificiality	pH
P - F D S F Unknown	Seasonal	Fresh (<0.5 g/l)	17,00	12,00	Original vegetation/landform still predominant (> 50%)	Naturally flooded	
P - E P S - Unknown	Seasonal	Fresh (<0.5 g/l)	2,70	0,20	Original vegetation/landform still predominant (> 50%)	Naturally flooded	
P - E P S - D Unknown	Seasonal	Fresh (<0.5 g/l)	2,30	0,40	Original vegetation/landform still predominant (> 50%)	Partially controlled	
P - E P T - D Unknown	Temporary/Intermittent	Fresh (<0.5 g/l)		0,20	0,10 vegetation/landform still predominant (> 50%)	Original controlled	Partially
P - E P T - D Unknown	Temporary/Intermittent	Fresh (<0.5 g/l)		0,50	0,10 vegetation/landform still predominant (> 50%)	Original controlled	Partially
P - O M P F D Unknown	Permanent	Fresh (<0.5 g/l)	0,30	1,50	Original vegetation/landform still predominant (> 50%)	Partially controlled	

P - E N S F Unknown	Seasonal	Fresh (<0.5 g/l)	13,70	0,20	Original	Naturally flooded vegetation/landform still predominant (> 50%)
P - E N T F Naturally Unknown	Temporary/Intermittent	Fresh (<0.5 g/l)	10,00	0,20	Original	flooded vegetation/landform still predominant (> 50%)
P - U D S F Unknown	Seasonal	Fresh (<0.5 g/l)	0,60	0,20	Original	Naturally flooded vegetation/landform still predominant (> 50%)
P - F D T F Naturally Unknown	Temporary/Intermittent	Fresh (<0.5 g/l)	0,70	0,30	Original	flooded vegetation/landform still predominant (> 50%)
P - E P T - P Naturally Unknown	Temporary/Intermittent	Fresh (<0.5 g/l)	3,00	0,20	Original	flooded vegetation/landform still predominant (> 50%)
P - E P S - P Unknown	Seasonal	Fresh (<0.5 g/l)	6,00	0,30	Original	Naturally flooded vegetation/landform still predominant (> 50%)
P - E P T - Naturally Unknown	Temporary/Intermittent	Fresh (<0.5 g/l)	9,30	0,10	Original	flooded vegetation/landform still predominant (> 50%)
P - E P T - F Naturally Unknown	Temporary/Intermittent	Fresh (<0.5 g/l)	1,50	0,10	Original	flooded vegetation/landform highly modified (<10%)

P - F D S F Unknown	Seasonal	Fresh (<0.5 g/l)	0,80	0,50	Original	Partially untouched)
						vegetation/landform still predominant (> 50%)
R W O M P F N Unknown	Permanent	Fresh (<0.5 g/l)		1,20	Original	Partially controlled
						vegetation/landform partially modified (10-50% untouched)
R W O M S F N Unknown	Seasonal	Fresh (<0.5 g/l)		0,70	Original	Partially controlled
						vegetation/landform partially modified (10-50% untouched)
P - U E S F Unknown	Seasonal	Fresh (<0.5 g/l)	4,00		Original	Partially controlled
						vegetation/landform highly modified (<10% untouched)
P - U D S F Unknown	Seasonal	Fresh (<0.5 g/l)	0,40		Original	Partially controlled
						vegetation/landform partially modified (10-50% untouched)

7. Flora

Species	Dominance type	Cover	Height
<i>Viola tricolor tricolor</i>		Present	< 1 metre
<i>Tamarix gallica</i>		Present	1 to 3 metres
<i>Lythrum salicaria</i>		Present	1 to 3 metres
<i>Lythrum hyssopifolia</i>		Present	< 1 metre
<i>Myrtus communis</i>		Present	1 to 3 metres

<i>Epilobium hirsutum</i>	Present	1 to 3 metres
<i>Epilobium tetragonum tetragonum</i>	Present	< 1 metre
<i>Hedera helix helix</i>	Present	3 to 6 metres
<i>Anthriscus caucalis</i>	Present	< 1 metre
<i>Oenanthe peucedanifolia</i>	Present	< 1 metre
<i>Apium nodiflorum</i>	Present	< 1 metre
<i>Tordylium apulum</i>	Present	< 1 metre
<i>Cyclamen repandum odorum</i>	Present	< 1 metre
<i>Anagallis arvensis</i>	Present	< 1 metre
<i>Samolus valerandi</i>	Present	< 1 metre
<i>Limonium serotinum</i>	Present	< 1 metre
<i>Fraxinus ornus</i>	Present	3 to 6 metres
<i>Fraxinus oxycarpa</i>	1 - 10%	> 6 metres
<i>Ligustrum vulgare</i>	Present	1 to 3 metres
<i>Phillyrea angustifolia</i>	Present	1 to 3 metres
<i>Phillyrea latifolia</i>	Present	1 to 3 metres
<i>Blackstonia perfoliata perfoliata</i>	Present	< 1 metre
<i>Centaurium erythraea erythraea</i>	Present	< 1 metre
<i>Centaurium pulchellum</i>	Present	< 1 metre
<i>Galium debile</i>	Present	< 1 metre
<i>Galium album</i>	Present	< 1 metre
<i>Galium aparine</i>	Present	< 1 metre
<i>Cruciata laevipes</i>	Present	< 1 metre
<i>Cuscuta epithymum</i>	Present	< 1 metre
<i>Calystegia sepium</i>	Present	1 to 3 metres
<i>Convolvulus arvensis</i>	Present	< 1 metre
<i>Myosotis arvensis</i>	Present	< 1 metre
<i>Cynoglossum creticum</i>	Present	< 1 metre
<i>Verbena officinalis</i>	Present	< 1 metre
<i>Callitriche stagnalis</i>	Present	< 1 metre
<i>Callitriche hamulata</i>	Present	< 1 metre
<i>Callitriche obtusangula</i>	Present	< 1 metre
<i>Teucrium scordium scordioides</i>	Present	< 1 metre
<i>Nepeta cataria</i>	Present	< 1 metre
<i>Prunella laciniata</i>	Present	< 1 metre
<i>Prunella vulgaris</i>	Present	< 1 metre
<i>Lycopus europaeus europaeus</i>	Present	< 1 metre
<i>Mentha arvensis</i>	Present	< 1 metre
<i>Mentha aquatica</i>	Present	< 1 metre
<i>Solanum nigrum nigrum</i>	Present	< 1 metre
<i>Kickxia spuria</i>	Present	< 1 metre
<i>Veronica anagallis-aquatica</i>	Present	< 1 metre
<i>Veronica anagalloides</i>	Present	< 1 metre
<i>Odontites rubra</i>	Present	< 1 metre
<i>Parentucellia viscosa</i>	Present	< 1 metre
<i>Bellardia trixago</i>	Present	< 1 metre
<i>Orobanche hederæ</i>	Present	< 1 metre
<i>Plantago major major</i>	Present	< 1 metre
<i>Plantago coronopus coronopus</i>	Present	< 1 metre
<i>Plantago lanceolata</i>	Present	< 1 metre
<i>Sambucus ebulus</i>	Present	1 to 3 metres
<i>Dipsacus fullonum</i>	Present	1 to 3 metres
<i>Aster novi-belgii</i>	Present	1 to 3 metres
<i>Conyza canadensis</i>	Present	< 1 metre
<i>Bellis perennis</i>	Present	< 1 metre
<i>Bellis sylvestris</i>	Present	< 1 metre

<i>Inula britannica</i>	Present	< 1 metre
<i>Inula viscosa</i>	Present	< 1 metre
<i>Pulicaria dysenterica</i>	Present	< 1 metre
<i>Pallenis spinosa</i>	Present	< 1 metre
<i>Xanthium italicum</i>	Present	< 1 metre
<i>Tussilago farfara</i>	Present	< 1 metre
<i>Senecio erraticus erraticus</i>	Present	1 to 3 metres
<i>Senecio erraticus barbareaefolius</i>	Present	1 to 3 metres
<i>Arctium minus</i>	Present	< 1 metre
<i>Carduus pycnocephalus</i>	Present	1 to 3 metres
<i>Cirsium vulgare</i>	Present	1 to 3 metres
<i>Cynara cardunculus</i>	Present	1 to 3 metres
<i>Silybum marianum</i>	Present	1 to 3 metres
<i>Galactites tomentosa</i>	Present	< 1 metre
<i>Scolymus hispanicus</i>	Present	1 to 3 metres
<i>Tragopogon porrifolius</i>	Present	< 1 metre
<i>Urospermum dalechampii</i>	Present	< 1 metre
<i>Taraxacum officinale</i>	Present	< 1 metre
<i>Alisma plantago-aquatica</i>	Present	< 1 metre
<i>Equisetum ramosissimum</i>	Present	1 to 3 metres
<i>Equisetum variegatum</i>	Present	< 1 metre
<i>Equisetum telmateia</i>	Present	< 1 metre
<i>Asplenium onopteris</i>	Present	< 1 metre
<i>Pinus pinea</i>	Present	> 6 metres
<i>Baldellia ranunculoides</i>	Present	< 1 metre
<i>Zannichellia palustris polycarpa</i>	Present	< 1 metre
<i>Ornithogalum umbellatum</i>	Present	< 1 metre
<i>Bellevalia romana</i>	Present	< 1 metre
<i>Allium triquetrum</i>	Present	< 1 metre
<i>Asparagus acutifolius</i>	Present	1 to 3 metres
<i>Ruscus aculeatus</i>	Present	< 1 metre
<i>Smilax aspera</i>	Present	1 to 3 metres
<i>Iris foetidissima</i>	Present	< 1 metre
<i>Iris pseudacorus</i>	Present	< 1 metre
<i>Juncus subulatus</i>	Present	< 1 metre
<i>Juncus gerardi</i>	Present	< 1 metre
<i>Juncus conglomeratus</i>	Present	< 1 metre
<i>Juncus inflexus</i>	Present	< 1 metre
<i>Juncus acutus</i>	Present	< 1 metre
<i>Juncus maritimus</i>	Present	< 1 metre
<i>Dactylis glomerata</i>	Present	< 1 metre
<i>Poa palustris</i>	Present	< 1 metre
<i>Lolium perenne</i>	Present	< 1 metre
<i>Agropyron repens</i>	Present	< 1 metre
<i>Salix alba vitellina</i>	Present	> 6 metres
<i>Populus alba</i>	Present	> 6 metres
<i>Quercus ilex</i>	Present	> 6 metres
<i>Ulmus minor</i>	1 - 10%	3 to 6 metres
<i>Ulmus laevis</i>	Present	3 to 6 metres
<i>Ficus carica</i>	Present	3 to 6 metres
<i>Urtica atrovirens</i>	Present	< 1 metre
<i>Urtica dioica</i>	Present	< 1 metre
<i>Aristolochia rotunda</i>	Present	< 1 metre
<i>Rumex acetosella</i>	Present	< 1 metre
<i>Rumex crispus</i>	Present	< 1 metre
<i>Rumex conglomeratus</i>	Present	< 1 metre

<i>Rumex sanguineus</i>	Present	< 1 metre
<i>Atriplex patula</i>	Present	< 1 metre
<i>Atriplex latifolia</i>	Present	< 1 metre
<i>Stellaria media</i>	Present	< 1 metre
<i>Lychnis flos-cuculi</i>	Present	< 1 metre
<i>Silene alba</i>	Present	< 1 metre
<i>Nigella damascena</i>	Present	< 1 metre
<i>Ranunculus velutinus</i>	Present	< 1 metre
<i>Ranunculus repens</i>	Present	< 1 metre
<i>Aegilops geniculata</i>	Present	< 1 metre
<i>Lagurus ovatus</i>	Present	< 1 metre
<i>Agrostis stolonifera</i>	Present	< 1 metre
<i>Polypogon maritimus</i>	Present	< 1 metre
<i>Phragmites australis</i>	11 - 25%	1 to 3 metres
<i>Arundo pliniana</i>	Present	1 to 3 metres
<i>Phalaris bulbosa</i>	Present	< 1 metre
<i>Paspalum paspalodes</i>	Present	< 1 metre
<i>Arum italicum</i>	Present	< 1 metre
<i>Lemna minor</i>	Present	< 1 metre
<i>Typha latifolia</i>	Present	1 to 3 metres
<i>Typha angustifolia</i>	Present	1 to 3 metres
<i>Carex divulsa</i>	Present	< 1 metre
<i>Carex otrubae</i>	Present	< 1 metre
<i>Carex pendula</i>	Present	1 to 3 metres
<i>Carex divisa</i>	Present	< 1 metre
<i>Carex distans</i>	Present	< 1 metre
<i>Carex rostrata</i>	Present	< 1 metre
<i>Bolboschoenus maritimus</i>	1 - 10%	1 to 3 metres
<i>Schoenoplectus tabernaemontani</i>	Present	1 to 3 metres
<i>Eleocharis palustris</i>	Present	< 1 metre
<i>Ranunculus nemorosus</i>	Present	< 1 metre
<i>Ranunculus bulbosus aleae</i>	Present	< 1 metre
<i>Ranunculus sardous</i>	Present	< 1 metre
<i>Ranunculus ficaria</i>	Present	< 1 metre
<i>Ranunculus ophioglossifolius</i>	Present	< 1 metre
<i>Ranunculus trichophyllus trichophyllus</i>	1 - 10%	< 1 metre
<i>Thalictrum exaltatum</i>	Present	1 to 3 metres
<i>Hypericum perforatum</i>	Present	< 1 metre
<i>Fumaria capreolata</i>	Present	< 1 metre
<i>Nasturtium officinale</i>		< 1 metre
<i>Capsella bursa-pastoris</i>	Present	< 1 metre
<i>Reseda luteola</i>	Present	< 1 metre
<i>Rubus ulmifolius</i>	Present	1 to 3 metres
<i>Rosa sempervirens</i>	Present	1 to 3 metres
<i>Agrimonia eupatoria</i>	Present	< 1 metre
<i>Geum urbanum</i>	Present	< 1 metre
<i>Potentilla reptans</i>	Present	< 1 metre
<i>Crataegus monogyna monogyna</i>	Present	1 to 3 metres
<i>Prunus spinosa</i>	1 - 10%	3 to 6 metres
<i>Eleocharis ovata</i>	Present	< 1 metre
<i>Cyperus longus</i>	Present	1 to 3 metres
<i>Serapias vomeracea</i>	Present	< 1 metre
<i>Orchis laxiflora</i>	Present	< 1 metre
<i>Cercis siliquastrum</i>	Present	1 to 3 metres
<i>Spartium junceum</i>	Present	1 to 3 metres
<i>Tamus communis</i>	Present	< 1 metre

<i>Solanum dulcamara</i>	Present	1 to 3 metres
<i>Lapsana communis</i>	Present	< 1 metre
<i>Sonchus arvensis</i>	Present	< 1 metre
<i>Galium palustre</i>	Present	< 1 metre
<i>Glyceria fluitans</i>	Present	< 1 metre
<i>Juncus articulatus</i>	Present	< 1 metre
<i>Galega officinalis</i>	Present	< 1 metre
<i>Amorpha fruticosa</i>	Present	1 to 3 metres
<i>Vicia sativa</i>	Present	< 1 metre
<i>Melilotus officinalis</i>	Present	< 1 metre
<i>Medicago arabica</i>	Present	< 1 metre
<i>Lotus corniculatus</i>	Present	< 1 metre
<i>Geranium molle</i>	Present	< 1 metre
<i>Geranium robertianum</i>	Present	< 1 metre
<i>Linum bienne</i>	Present	< 1 metre
<i>Linum maritimum</i>	Present	< 1 metre
<i>Euphorbia pubescens</i>	Present	< 1 metre
<i>Euphorbia helioscopia</i>	Present	< 1 metre
<i>Pistacia lentiscus</i>	Present	1 to 3 metres
<i>Acer monspessulanum</i>	Present	3 to 6 metres
<i>Euonymus europaeus</i>	Present	3 to 6 metres
<i>Rhamnus alaternus</i>	Present	3 to 6 metres
<i>Malva sylvestris</i>	Present	< 1 metre
<i>Lavatera punctata</i>	Present	< 1 metre
<i>Althaea officinalis</i>	Present	< 1 metre
<i>Abutilon theophrasti</i>	Present	< 1 metre

8.1. Fauna, Birds

Species	Status	Number	Abundance	Pairs	Recording date	
					Month	Year
<i>Larus melanocephalus</i>	Wintering				0	0
<i>Larus ridibundus</i>	Wintering		Common		0	0
<i>Larus cachinnans</i>	Wintering		Common		0	0
<i>Streptopelia decaocto</i>	Breeding		Common		0	0
<i>Streptopelia turtur</i>	Breeding		Common		0	0
<i>Tyto alba</i>	Wintering				0	0
<i>Athene noctua</i>	Resident				0	0
<i>Caprimulgus europaeus</i>	Breeding				0	0
<i>Apus apus</i>	Breeding				0	0
<i>Alcedo atthis</i>	Wintering				0	0
<i>Merops apiaster</i>	Breeding				0	0
<i>Upupa epops</i>	Breeding				0	0
<i>Jynx torquilla</i>	Breeding				0	0
<i>Picus viridis</i>	Resident				0	0
<i>Calandrella brachydactyla</i>	Breeding				0	0
<i>Alauda arvensis</i>	Wintering				0	0
<i>Delichon urbica</i>	Breeding				0	0
<i>Anthus pratensis</i>	Wintering				0	0
<i>Anthus spinoletta</i>	Wintering				0	0
<i>Motacilla cinerea</i>	Wintering				0	0
<i>Motacilla alba</i>	Resident				0	0
<i>Troglodytes troglodytes</i>	Resident				0	0
<i>Prunella modularis</i>	Wintering				0	0

<i>Erithacus rubecula</i>	Resident		0	0
<i>Luscinia megarhynchos</i>	Breeding		0	0
<i>Phoenicurus ochruros</i>	Wintering		0	0
<i>Saxicola torquata</i>	Resident		0	0
<i>Turdus merula</i>	Resident		0	0
<i>Turdus philomelos</i>	Wintering		0	0
<i>Cettia cetti</i>	Resident		0	0
<i>Cisticola juncidis</i>	Resident		0	0
<i>Locustella luscinioides</i>	Breeding		0	0
<i>Acrocephalus melanopogon</i>	Wintering		0	0
<i>Acrocephalus arundinaceus</i>	Staging		0	0
<i>Sylvia cantillans</i>	Breeding		0	0
<i>Sylvia melanocephala</i>	Breeding		0	0
<i>Serinus serinus</i>	Breeding		0	0
<i>Carduelis chloris</i>	Breeding		0	0
<i>Carduelis carduelis</i>	Breeding		0	0
<i>Carduelis spinus</i>	Wintering		0	0
<i>Coccothraustes coccothraustes</i>	Wintering		0	0
<i>Emberiza cirrus</i>	Resident		0	0
<i>Emberiza schoeniclus</i>			0	0
<i>Sylvia communis</i>	Breeding		0	0
<i>Sylvia atricapilla</i>	Breeding		0	0
<i>Phylloscopus collybita</i>	Wintering		0	0
<i>Regulus ignicapillus</i>	Wintering		0	0
<i>Muscicapa striata</i>	Breeding		0	0
<i>Aegithalos caudatus</i>	Resident		0	0
<i>Parus caeruleus</i>	Resident		0	0
<i>Parus major</i>	Resident		0	0
<i>Oriolus oriolus</i>	Breeding		0	0
<i>Lanius collurio</i>	Breeding		0	0
<i>Garrulus glandarius</i>	Resident		0	0
<i>Pica pica</i>	Resident		0	0
<i>Corvus monedula</i>	Resident		0	0
<i>Corvus corone cornix</i>	Resident		0	0
<i>Sturnus vulgaris</i>	Breeding		0	0
<i>Passer italiae</i>	Resident		0	0
<i>Passer montanus</i>	Resident		0	0
<i>Fringilla coelebs</i>	Breeding		0	0
<i>Phalacrocorax carbo</i>	Wintering		0	0
<i>Ardea cinerea</i>	Wintering		0	0
<i>Anser fabalis</i>	Wintering	2	1	1988
<i>Tadorna tadorna</i>	Wintering		0	0
<i>Aythya fuligula</i>	Wintering		0	0
<i>Circus cyaneus</i>	Wintering	1	0	1999
<i>Buteo buteo</i>	Wintering		0	0
<i>Falco tinnunculus</i>	Wintering		0	0
<i>Falco peregrinus</i>	Wintering		0	0
<i>Phasianus colchicus</i>	Breeding	Common	0	0
<i>Rallus aquaticus</i>	Wintering	2	0	1999
<i>Gallinula chloropus</i>	Breeding		0	0
<i>Charadrius alexandrinus</i>	Breeding		0	0
<i>Pluvialis apricaria</i>	Wintering	81	0	1999
<i>Pluvialis squatarola</i>	Wintering		0	0
<i>Calidris alpina</i>	Wintering	4	0	1999
<i>Scolopax rusticola</i>	Wintering		0	0
<i>Numenius arquata</i>	Wintering		0	0

<i>Tachybaptus ruficollis</i>	Wintering		0	0	
<i>Himantopus himantopus</i>	Breeding		0	0	
<i>Fulica atra</i>	Breeding		0	0	
<i>Strix aluco</i>	Resident		0	0	
<i>Picoides minor</i>	Resident		0	0	
<i>Picus viridis</i>	Breeding		0	0	
<i>Cuculus canorus</i>	Breeding	Common	0	0	
<i>Certhia brachydactyla</i>	Breeding		0	0	
<i>Accipiter nisus</i>	Accidental		0	0	
<i>Regulus regulus</i>	Wintering		0	0	
<i>Coracias garrulus</i>	Staging		0	0	
<i>Acrocephalus scirpaceus</i>	Breeding		0	0	
<i>Remiz pendulinus</i>	Breeding		0	0	
<i>Anas platyrhynchos</i>	Breeding		0	0	
<i>Anas penelope</i>	Wintering	182	1	1999	
<i>Anas clypeata</i>	Wintering	19	0	1999	
<i>Anas acuta</i>	Wintering	9	0	1999	
<i>Anas strepera</i>	Wintering	11	0	1999	
<i>Anas crecca</i>	Wintering	306	0	1999	
<i>Anser anser</i>	Wintering	8	0	1999	
<i>Vanellus vanellus</i>	Wintering	1.434	0	1999	
<i>Grus grus</i>	Wintering		Rare	0	0
<i>Columba oenas</i>	Wintering		Common	0	0
<i>Gallinago gallinago</i>	Wintering	88	1	1999	
<i>Botaurus stellaris</i>	Accidental		0	0	
<i>Bubulcus ibis</i>	Wintering		0	0	
<i>Egretta alba</i>	Wintering		0	0	
<i>Asio otus</i>	Wintering		0	0	
<i>Circus aeruginosus</i>	Wintering	1	0	1999	
<i>Haliaeetus albicilla</i>	Staging		Rare	0	0
<i>Columba palumbus</i>	Wintering		0	0	
<i>Ardea purpurea</i>	Staging		0	0	
<i>Ixobrychus minutus</i>	Staging		0	0	
<i>Egretta garzetta</i>	Staging		0	0	
<i>Phoenicurus phoenicurus</i>	Staging		0	0	
<i>Riparia riparia</i>	Staging		0	0	
<i>Hirundo rustica</i>	Breeding		0	0	
<i>Philomachus pugnax</i>	Staging		0	0	
<i>Tringa erythropus</i>	Staging	1	0	1991	
<i>Tringa nebularia</i>	Staging		0	0	
<i>Tringa totanus</i>	Staging		0	0	
<i>Limosa limosa</i>	Staging		0	0	

8.2. Fauna, Mammals

Species	Status	Number	Abundance	Pairs	Recording date	
					Month	Year
<i>Sus scrofa</i>					0	0
<i>Dama dama</i>					0	0
<i>Capreolus capreolus</i>					0	0
<i>Hystrix cristata</i>					0	0
<i>Meles meles</i>					0	0
<i>Martes foina</i>					0	0

<i>Vulpes vulpes</i>	0	0
<i>Erinaceus europaeus</i>	0	0
<i>Oryctolagus cuniculus</i>	0	0
<i>Lepus europaeus</i>	0	0
<i>Mustela nivalis</i>	0	0
<i>Muscardinus avellanarius</i>	0	0

8.3. Fauna, Fishes

Species	Abundance	Recording date	
		Month	Year
<i>Anguilla anguilla</i>		0	0
<i>Gambusia affinis</i>		0	0
<i>Cyprinus carpio</i>		0	0

8.4. Fauna, Amphibians

Species	Number	Abundance	Recording date	
			Month	Year
<i>Triturus cristatus</i>			0	0
<i>Triturus vulgaris</i>			0	0
<i>Rana esculenta complex</i>			0	0
<i>Rana lessonae</i>			0	0
<i>Hyla intermedia</i>			7	2004

8.5. Fauna, Reptiles

Species	Number	Abundance	Recording date	
			Month	Year
<i>Emys orbicularis</i>			0	0
<i>Testudo hermanni</i>			0	0
<i>Vipera aspis</i>			0	0
<i>Lacerta viridis</i>			0	0
<i>Natrix natrix</i>			0	0
<i>Coluber viridiflavus</i>			0	0
<i>Elaphe quatuorlineata</i>			0	0

8.6. Fauna, Invertebrates

Species	Abundance	Recording date	
		Month	Year

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
Kugler P.	1995	La flora e la vegetazione del rifugio faunistico del Padule di Bolgheri in Toscana	Inedito - Tesi di Laurea, Facoltà di Scienze Matematiche, Fisiche e Naturali, Università di Pisa
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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
Arcamone Emiliano, 1999	1999	Risultati dei censimenti degli acquatici svrnanti	Centro Ornitologico Toscano

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493 - IT51294201

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List of Aerial Photographs

MedWet

Padule di Bolgheri

foglio 294150 "Stazione
Bolgheri" B/W

AGEA (Agenzia per le Erogazioni in Agricoltura)
ex AIMA

493 - IT51294201

2000

foglio 294150 "Stazione
Bolgheri" C

Programma "it2000" Terraitaly 2000 C.G.R. S.p.A.
- Parma

1998

List of Maps

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CTR foglio 294150 "Stazione
Bolgheri"

Regione Toscana

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