



# Ramsar Information Sheet

Update version, previously published on : 1 January 2004

## Switzerland Klingnauer Stausee



Designation date	9 November 1990
Site number	507
Coordinates	47°35'45"N 08°13'42"E
Area	364,00 ha

## Color codes

Fields back-shaded in light blue relate to data and information required only for RIS updates.

Note that some fields concerning aspects of Part 3, the Ecological Character Description of the RIS (tinted in purple), are not expected to be completed as part of a standard RIS, but are included for completeness so as to provide the requested consistency between the RIS and the format of a 'full' Ecological Character Description, as adopted in Resolution X.15 (2008). If a Contracting Party does have information available that is relevant to these fields (for example from a national format Ecological Character Description) it may, if it wishes to, include information in these additional fields.

## 1 - Summary

### Summary

Klingnauer-Stausee is located on the alluvial plain of the lower valley of the river Aare up to the confluence of the Aare with the river Rhine. The total area of the site is 364 ha. The site is characterized by a reservoir on the river Aare (170 ha), sections of the river Aare in natural state as well as periodically flooded fens and alluvial forests. The site is protected by virtue of the federal inventories of alluvial zones, of fenlands and of amphibian spawning grounds as well as by virtue of a cantonal decree.

The site is located in the densely populated region of the Swiss central plateau. Within this landscape, the site provides a high diversity of habitats supporting many species. These habitats include the open water of the reservoir, watercourses and pond systems, reed beds, marshes and meadows, hydrophilous tall herb fringe communities, Salix thickets, alluvial and Fraxinus woodlands.

A high number of rare and of threatened species on a national scale is observed: 393 red list plant and 56 threatened bird species. Due to the constant silting of the reservoir, shallow water zones, mudflats and small islands are important feeding grounds for birds, particularly for ducks. It is an important overwintering site for bird species, and during migration periods the site is one of the most important resting places for waders in Switzerland. The site is classified "Important Bird and Biodiversity Area" (object No. CH 012 'Klingnau Reservoir').

## 2 - Data & location

### 2.1 - Formal data

#### 2.1.1 - Name and address of the compiler of this RIS

##### Compiler 1

Name	Dr. Reinhard Schnidrig
Institution/agency	Federal Office for the Environment FOEN
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#### 2.1.2 - Period of collection of data and information used to compile the RIS

From year

To year

#### 2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)

Unofficial name (optional)

#### 2.1.4 - Changes to the boundaries and area of the Site since its designation or earlier update

(Update) A. Changes to Site boundary Yes  No

(Update) B. Changes to Site area No change to area

#### 2.1.5 - Changes to the ecological character of the Site

(Update) 6b i. Has the ecological character of the Ramsar Site (including applicable Criteria) changed since the previous RIS? Not evaluated

## 2.2 - Site location

### 2.2.1 - Defining the Site boundaries

#### b) Digital map/image

<3 file(s) uploaded>

Former maps

#### Boundaries description

A small island on the river Rhine on German territory forms the northern boundary of the Ramsar site. Due to its small size and ecological affiliation, the island is covered by the decree of the Canton of Aargau that regulates the protection of the site. However, the site "Klingnauer-Stausee" is not considered a transboundary site as understood by the Ramsar Convention.

### 2.2.2 - General location

a) In which large administrative region does the site lie?

b) What is the nearest town or population centre?

### 2.2.3 - For wetlands on national boundaries only

- a) Does the wetland extend onto the territory of one or more other countries? Yes  No
- b) Is the site adjacent to another designated Ramsar Site on the territory of another Contracting Party? Yes  No

2.2.4 - Area of the Site

Official area, in hectares (ha):

Area, in hectares (ha) as calculated from GIS boundaries

2.2.5 - Biogeography

Biogeographic regions

Regionalisation scheme(s)	Biogeographic region
Freshwater Ecoregions of the World (FEOW)	Central & Western Europe
Other scheme (provide name below)	Swiss Plateau (Mittelland)*

Other biogeographic regionalisation scheme

\*Biogeographic regions of Switzerland. Office fédéral de l'environnement OFEV, 2001.

### 3 - Why is the Site important?

#### 3.1 - Ramsar Criteria and their justification

<no data available>

Criterion 2 : Rare species and threatened ecological communities

Criterion 3 : Biological diversity

Justification

















The site is located in the densely populated region of the Swiss central plateau. Within this landscape, the site provides a high diversity of habitats supporting many species. These habitats include the open water of the reservoir, watercourses and pond systems, reed beds, marshes and meadows, hydrophilous tall herb fringe communities, Salix thickets, alluvial and Fraxinus woodlands.























The "Klingnauer Stausee" is an important wintering site for waterbirds and an important stop-over site for migrating birds - especially for waders and ducks.






















The river Aare section of the site is classified "watercourse section with high biodiversity and / or national priority species" as well as "Important Bird and Biodiversity Area (IBA)" (IBA no. CH 012 'Klingnau Reservoir').










Criterion 4 : Support during critical life cycle stage or in adverse conditions

#### 3.2 - Plant species whose presence relates to the international importance of the site























Scientific name	Common name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
<i>Alisma lanceolatum</i> 	Lanceleaf Water Plantain	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Allium scorodoprasum</i> 	Sand Leek	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Alopecurus aequalis</i> 	Shortawn Foxtail	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Anagallis minima</i> 	Chaffweed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Ballota nigra</i> 	Black Horehound	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Bidens cernua</i> 	Nodding Beggar Ticks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Butomus umbellatus</i> 	Flowering Rush	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Centaurea nemoralis</i> 	Black Knapweed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Centaureum pulchellum</i> 	Branched Centaury	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Ceratophyllum demersum</i> 	Common Coontail	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	

Scientific name	Common name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
<i>Chenopodium strictum</i> 	Late Flowering Goosefoot	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Cicuta virosa</i> 	European Water Hemlock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Clinopodium menthifolium ascendens</i> 	Woodland Calamint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Eleocharis acicularis</i> 	Needle Spikerush	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Equisetum trachyodon</i> 		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Euphorbia palustris</i> 	Marsh Spurge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Glyceria maxima</i> 	Great Manna Grass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Gypsophila muralis</i> 	Annual Gypsophila	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Hydrocharis morsus-ranae</i> 	Frogbit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Hygrophorus latitabundus</i> 		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Macrofungi 2007)	
<i>Iris sibirica</i> 	Siberian Iris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Juncus bulbosus</i> 	Bulbous Bush	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Kickxia elatine</i> 	Sharpleaf Cancerwort	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Kickxia spuria</i> 	Roundleaf Cancerwort	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Lathyrus palustris</i> 	Marsh pea	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Leersia oryzoides</i> 	Rice Cutgrass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Legousia speculum-veneris</i> 	European Venus' Looking Glass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Lemna gibba</i> 	Gibbous Duckweed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	RE (National Red List Ferns and Flowering Plants 2002)	
<i>Lycopus europaeus</i> 	Bugleweed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Minuartia hybrida</i> 	Fine Leaved Sandwort	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	

Scientific name	Common name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
<i>Misopates orontium</i> 	Lesser Snapdragon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Nigella arvensis</i> 	Black Bread Weed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Odontites vulgaris</i> 	Late Flowering Eyebright	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Orcis anthropophora</i> 	Man Orchid	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Papaver argemone</i> 	Pale Poppy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Pilosella caespitosa</i> 	Field Hawkweed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Potamogeton friesii</i> 	Flat Stalked Pondweed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Potamogeton nodosus</i> 	Loddon Pondweed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Potamogeton pusillus</i> 	Small Pondweed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Potentilla inclinata</i> 	Grey Cinquefoil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Ranunculus circinatus</i> 	Fan Leaf Water Crowfoot	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Ranunculus sceleratus</i> 	Cursed Buttercup	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Rorippa amphibia</i> 	Great Yellowcress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Rorippa anceps</i> 		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Schoenoplectus tabernaemontani</i> 	Great Bulrush	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Sedum rubens</i> 		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Sparganium erectum microcarpum</i> 		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Stachys annua</i> 	Annual Woundwort	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Stuckenia filiformis filiformis</i> 	Fineleaf Pondweed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	













































Scientific name	Common name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
<i>Thalictrum flavum</i> 	Yellow Meadow Rue	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Thymelaea passerina</i> 	Annual Thymelaea	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Tulostoma brumale</i> 		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Macrofungi 2007)	
<i>Valerianella dentata</i> 	Narrowfruit Comsalad	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Veronica catenata</i> 	Sessile Water-speedwell	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	EN (National Red List Ferns and Flowering Plants 2002)	
<i>Vicia villosa</i> 	Hairy Vetch	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	
<i>Zannichellia palustris</i> 	Horned Pondweed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LC 	<input type="checkbox"/>	VU (National Red List Ferns and Flowering Plants 2002)	


































### 3.3 - Animal species whose presence relates to the international importance of the site




























Phylum	Scientific name	Common name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence <sup>1)</sup>	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7	8								
<b>Birds</b>																		
CHORDATA/AVES	<i>Actitis hypoleucos</i> 	Common Sandpiper	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Breeding Birds 2010)	
CHORDATA/AVES	<i>Alcedo atthis</i> 	Common Kingfisher	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	
CHORDATA/AVES	<i>Anas clypeata</i> 	Northern Shoveler	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Breeding Birds 2010)	
CHORDATA/AVES	<i>Anas crecca</i> 	Eurasian Teal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014			<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	Overwintering
CHORDATA/AVES	<i>Anas querquedula</i> 	Garganey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Breeding Birds 2010)	
CHORDATA/AVES	<i>Anas strepera</i> 	Gadwall	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014			<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Breeding Birds 2010)	Overwintering
CHORDATA/AVES	<i>Anthus campestris</i> 	Tawny Pipit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Breeding Birds 2010)	
CHORDATA/AVES	<i>Anthus pratensis</i> 	Meadow Pipit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	
CHORDATA/AVES	<i>Ardea purpurea</i> 	Purple Heron	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	CR (National Red List Breeding Birds 2010)	
CHORDATA/AVES	<i>Aythya ferina</i> 	Common Pochard	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		VU 	<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Breeding Birds 2010)	Overwintering
CHORDATA/AVES	<i>Aythya fuligula</i> 	Tufted Duck	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014			<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	Overwintering
CHORDATA/AVES	<i>Bucephala clangula</i> 	Common Goldeneye	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014			<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	Overwintering
CHORDATA/AVES	<i>Charadrius dubius</i> 	Little Ringed Plover	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Breeding Birds 2010)	



Phylum	Scientific name	Common name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7	8								
CHORDATA/ AVES	<i>Chroicocephalus ridibundus</i> 	Black-headed Gull	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Ciconia ciconia</i> 	White Stork	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014	LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Circus aeruginosus</i> 	Western Marsh Harrier	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014	LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Circus pygargus</i> 	Montagu's Harrier	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014	LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Corvus monedula</i> 	Western Jackdaw	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014	LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Emberiza calandra</i> 	Corn Bunting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Emberiza hortulana</i> 	Otolan Bunting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014	LC 	<input type="checkbox"/>	<input type="checkbox"/>	CR (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Emberiza schoeniclus</i> 	Common Reed Bunting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014	LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Gallinago gallinago</i> 	Common Snipe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		<input type="checkbox"/>	<input type="checkbox"/>	CR (National Red List Breeding Birds 2010)	stopover for migration	
CHORDATA/ AVES	<i>Hippolais icterina</i> 	Icterine Warbler	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014	LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Ichthyæetus melanocephalus</i> 	Mediterranean Gull	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Ixobrychus minutus</i> 	Little Bittern	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014	LC 	<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Lanius excubitor</i> 	Great Grey Shrike	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2012	LC 	<input type="checkbox"/>	<input type="checkbox"/>	RE (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Larus canus</i> 	Mew Gull	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014	LC 	<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Lullula arborea</i> 	Woodlark	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2012	LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Luscinia svecica</i> 	Bluethroat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014	LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Mergus merganser</i> 	Common Merganser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014	LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Mergus serrator</i> 	Red-breasted Merganser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014	LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Numenius arquata</i> 	Eurasian Curlew	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		<input type="checkbox"/>	<input type="checkbox"/>	CR (National Red List Breeding Birds 2010)	stopover for migration	
CHORDATA/ AVES	<i>Nycticorax nycticorax</i> 	Black-crowned Night Heron	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014	LC 	<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Pandion haliaetus</i> 	Osprey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014	LC 	<input type="checkbox"/>	<input type="checkbox"/>	RE (National Red List Breeding Birds 2010)		
CHORDATA/ AVES	<i>Panurus biarmicus</i> 	Bearded Reedling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014	LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)		

Phylum	Scientific name	Common name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7	8								
CHORDATA/AVES	 <i>Phylloscopus sibilatrix</i>	Wood Warbler	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	
CHORDATA/AVES	 <i>Phylloscopus trochilus</i>	Willow Warbler	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	
CHORDATA/AVES	 <i>Picus canus</i>	Grey-headed Woodpecker	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	
CHORDATA/AVES	 <i>Podiceps nigricollis</i>	Black-necked Grebe	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	
CHORDATA/AVES	 <i>Porzana parva</i>	Little Crane	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	
CHORDATA/AVES	 <i>Porzana porzana</i>	Spotted Crane	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	
CHORDATA/AVES	 <i>Remiz pendulinus</i>	Eurasian Penduline Tit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	
CHORDATA/AVES	 <i>Riparia riparia</i>	Sand Martin	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	
CHORDATA/AVES	 <i>Saxicola rubetra</i>	Whinchat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	
CHORDATA/AVES	 <i>Scolopax rusticola</i>	Eurasian Woodcock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2013		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	
CHORDATA/AVES	 <i>Somateria mollissima</i>	Common Eider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	
CHORDATA/AVES	 <i>Tachybaptus ruficollis</i>	Little Grebe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014			<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	Overwintering
CHORDATA/AVES	 <i>Tadorna tadorna</i>	Common Shelduck	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	
CHORDATA/AVES	 <i>Tringa totanus</i>	Common Redshank	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	RE (National Red List Breeding Birds 2010)	
CHORDATA/AVES	 <i>Turdus pilaris</i>	Fieldfare	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	
CHORDATA/AVES	 <i>Turdus torquatus</i>	Ring Ouzel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2013		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	
CHORDATA/AVES	 <i>Upupa epops</i>	Eurasian Hoopoe	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Breeding Birds 2010)	
CHORDATA/AVES	 <i>Vanellus vanellus</i>	Northern Lapwing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	CR (National Red List Breeding Birds 2010)	
<b>Fish, Mollusc and Crustacea</b>																		
CHORDATA/ACTINOPTERYGII	 <i>Alburnoides bipunctatus</i>	Bleak	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2008			<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Fish and Cyclostomes 2007)	
CHORDATA/ACTINOPTERYGII	 <i>Anguilla anguilla</i>	Common Eel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2008		CR 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Fish and Cyclostomes 2007)	
MOLLUSCA/BIVALVIA	 <i>Anodonta anatina</i>	Duck Mussel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2005		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Molluscs 2012)	
CHORDATA/ACTINOPTERYGII	 <i>Chondrostoma nasus</i>	Common Nase	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2006		LC 	<input type="checkbox"/>	<input type="checkbox"/>	CR (National Red List Red List of Fish and Cyclostomes 2007)	
CHORDATA/ACTINOPTERYGII	 <i>Cobitis taenia</i>	Spine Loach	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2008		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Fish and Cyclostomes 2007)	

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			2	4	6	9	3	5	7	8								
CHORDATA/ ACTINOPTERYGII	 <i>Cyprinus carpio</i>	Common Carp	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2004		VU 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Fish and Cyclostomes 2007)	
CHORDATA/ CEPHALASPIDOMORPHI	 <i>Lampetra planeri</i>	European Brook Lamprey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2006		LC 	<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Fish and Cyclostomes 2007)	
MOLLUSCA/ GASTROPODA	 <i>Physa fontinalis</i>	Common Bladder Snail	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1986		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Molluscs 2012)	
CHORDATA/ ACTINOPTERYGII	 <i>Rhodeus amarus</i>	Bitterling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2006		LC 	<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Fish and Cyclostomes 2007)	
CHORDATA/ ACTINOPTERYGII	 <i>Telestes souffia</i>	Western Vairone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2008		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Fish and Cyclostomes 2007)	
MOLLUSCA/ BIVALVIA	 <i>Unio pictorum</i>	Painter's mussel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1981		LC 	<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Molluscs 2012)	
MOLLUSCA/ BIVALVIA	 <i>Unio tumidus</i>	Swollen River Mussel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1986		LC 	<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Molluscs 2012)	
<b>Others</b>																		
CHORDATA/ AMPHIBIA	 <i>Alytes obstetricans</i>	Midwife Toad	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1992		LC 	<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Amphibians 2005)	
ARTHROPODA/ INSECTA	 <i>Baetis buceratus</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2007			<input type="checkbox"/>	<input type="checkbox"/>	VU (Red List Mayflies, Stoneflies and Caddisflies 2012)	
ARTHROPODA/ INSECTA	 <i>Baetis liebenauae</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2007			<input type="checkbox"/>	<input type="checkbox"/>	VU (Red List Mayflies, Stoneflies and Caddisflies 2012)	
ARTHROPODA/ INSECTA	 <i>Baetis pentaplebedes</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2009			<input type="checkbox"/>	<input type="checkbox"/>	VU (Red List Mayflies, Stoneflies and Caddisflies 2012)	
CHORDATA/ AMPHIBIA	 <i>Bombina variegata</i>	Yellow-bellied Toad	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2012		LC 	<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Amphibians 2005)	
CHORDATA/ AMPHIBIA	 <i>Bufo bufo</i>	Common Toad	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2012		LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Amphibians 2005)	
ARTHROPODA/ INSECTA	 <i>Caenis pusilla</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2000			<input type="checkbox"/>	<input type="checkbox"/>	CR (Red List Mayflies, Stoneflies and Caddisflies 2012)	
ARTHROPODA/ INSECTA	 <i>Caenis rivulorum</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2000			<input type="checkbox"/>	<input type="checkbox"/>	EN (Red List Mayflies, Stoneflies and Caddisflies 2012)	
CHORDATA/ MAMMALIA	 <i>Castor fiber</i>	Eurasian Beaver	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		LC 	<input type="checkbox"/>	<input type="checkbox"/>	Endangered (National Red List Mammals 1994); High Priority Species (List of National Priority Species 2011)	
ARTHROPODA/ INSECTA	 <i>Ceraclea aurea</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1988			<input type="checkbox"/>	<input type="checkbox"/>	VU (Red List Mayflies, Stoneflies and Caddisflies 2012)	
ARTHROPODA/ INSECTA	 <i>Colletes cunicularius</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2011			<input type="checkbox"/>	<input type="checkbox"/>	Vulnerable (National Red List Bees 1994)	
ARTHROPODA/ INSECTA	 <i>Conocephalus fuscus</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2002			<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Orthoptera 2007)	
CHORDATA/ REPTILIA	 <i>Coronella austriaca</i>	Smooth Snake	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1988			<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Reptiles 2005)	
ARTHROPODA/ INSECTA	 <i>Gomphus simillimus</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2002			<input type="checkbox"/>	<input type="checkbox"/>	CR (National Red List Dragonflies 2002)	
ARTHROPODA/ INSECTA	 <i>Halesus tessellatus</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2002			<input type="checkbox"/>	<input type="checkbox"/>	VU (Red List Mayflies, Stoneflies and Caddisflies 2012)	

Phylum	Scientific name	Common name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7	8								
ARTHROPODA/ INSECTA	 <i>Hydropsyche exocellata</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2000		<input type="checkbox"/>	<input type="checkbox"/>	EN (Red List Mayflies, Stoneflies and Caddisflies 2012)		
CHORDATA/ REPTILIA	 <i>Lacerta agilis</i>	Sand Lizard	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2013	LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Reptiles 2005)		
ARTHROPODA/ INSECTA	 <i>Lasiocephala basalis</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2000		<input type="checkbox"/>	<input type="checkbox"/>	VU (Red List Mayflies, Stoneflies and Caddisflies 2012)		
CHORDATA/ AMPHIBIA	 <i>Lissotriton helveticus</i>	Palmate Newt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2012	LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Amphibians 2005)		
CHORDATA/ AMPHIBIA	 <i>Lissotriton vulgaris</i>	Smooth Newt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1992	LC 	<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Amphibians 2005)		
CHORDATA/ MAMMALIA	 <i>Mustela putorius</i>	European Polecat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2011	LC 	<input type="checkbox"/>	<input type="checkbox"/>	Vulnerable (National Red List Mammals 1994)		
CHORDATA/ MAMMALIA	 <i>Myotis myotis</i>	Mouse-eared Bat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2011	LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (Red List Bats 2013)		
CHORDATA/ REPTILIA	 <i>Natrix natrix</i>	European Grass Snake	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2014		<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Reptiles 2005)		
ARTHROPODA/ INSECTA	 <i>Ophiogomphus cecilia</i>	Green Snaketail	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2001	LC 	<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Dragonflies 2002)		
ARTHROPODA/ INSECTA	 <i>Phaneroptera falcata</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2009		<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Orthoptera 2007)		
CHORDATA/ MAMMALIA	 <i>Plecotus austriacus</i>	Gray big-eared Bat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2006	LC 	<input type="checkbox"/>	<input type="checkbox"/>	CR (Red List Bats 2013)		
ARTHROPODA/ INSECTA	 <i>Rhithrogena germanica</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2000		<input type="checkbox"/>	<input type="checkbox"/>	CR (Red List Mayflies, Stoneflies and Caddisflies 2012)		
ARTHROPODA/ INSECTA	 <i>Rhyacophila aurata</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2000		<input type="checkbox"/>	<input type="checkbox"/>	VU (Red List Mayflies, Stoneflies and Caddisflies 2012)		
CHORDATA/ AMPHIBIA	 <i>Salamandra salamandra</i>	Fire Salamander	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2005	LC 	<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Amphibians, 2005)		
ARTHROPODA/ INSECTA	 <i>Sito piceus</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2002		<input type="checkbox"/>	<input type="checkbox"/>	VU (Red List Mayflies, Stoneflies and Caddisflies 2012)		
ARTHROPODA/ INSECTA	 <i>Sphingonotus caerulans</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1994		<input type="checkbox"/>	<input type="checkbox"/>	VU (National Red List Orthoptera 2007)		
ARTHROPODA/ INSECTA	 <i>Torleya major</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2006		<input type="checkbox"/>	<input type="checkbox"/>	VU (Red List Mayflies, Stoneflies and Caddisflies 2012)		
CHORDATA/ AMPHIBIA	 <i>Triturus cristatus</i>	Warty Newt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1992	LC 	<input type="checkbox"/>	<input type="checkbox"/>	EN (National Red List Amphibians 2005)		

1) Percentage of the total biogeographic population at the site

The site is one of the most important "stopover sites" for migrating shorebirds/waders in Switzerland. Several species can be observed regularly during spring migration and fall. The site is also important for wintering waterfowl.

### 3.4 - Ecological communities whose presence relates to the international importance of the site

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
Ponds	<input checked="" type="checkbox"/>	A system of ponds has developed within the siltation areas of the river Aare. These ponds provide an important habitat for threatened species of amphibians.	Site listed in the inventory of amphibian spawning areas of national importance
Fens	<input checked="" type="checkbox"/>	Fens are vestiges of earlier natural and cultural landscapes and are in sharp decline. They are home to highly-adapted symbiotic communities of plants and animals that include a large number of endangered plant and animal species.	Site listed in the inventory of fenlands of national importance
Alluvial Zones	<input checked="" type="checkbox"/>	Alluvial zones are dynamic habitats where rivers overflow, submerging dry areas, destroying existing habitats and creating new ones. These dynamic processes are responsible for the extraordinary diversity of species and habitats found there.	Site listed in the inventory of alluvial zones of national importance

## 4 - What is the Site like? (Ecological character description)

### 4.1 - Ecological character

The main habitat types present are: open water, rivers / watercourses / canals with different flow regimes, pond systems, fens, alluvial meadows, alluvial forests (ash, willow, white alder), hedgerows, and even dry meadows.  
 Main plant communities are: reeds, sedge marshes, tall-herb fringes, shrubs.  
 The constant silting of the reservoir due to lack of water dynamics is one of the most influencing process of the ecological character of the site.

### 4.2 - What wetland type(s) are in the site?

#### Inland wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
Fresh water > Flowing water >> M: Permanent rivers/ streams/ creeks	River Aare	1		Representative
Fresh water > Lakes and pools >> Tp: Permanent freshwater marshes/ pools		3		Rare
Fresh water > Marshes on inorganic soils >> W: Shrub-dominated wetlands		2		Rare
Fresh water > Marshes on inorganic soils >> Xf: Freshwater, tree-dominated wetlands		2		Rare

#### Human-made wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
6: Water storage areas/Reservoirs	Klingnau Reservoir	1		
9: Canals and drainage channels or ditches		4		

#### Other non-wetland habitat

Other non-wetland habitats within the site	Area (ha) if known
Dry meadows	

<sup>(EOD)</sup> Habitat connectivity: National Ecological Network (REN): Core connection areas

## 4.3 - Biological components

### 4.3.1 - Plant species

#### Invasive alien plant species

Scientific name	Common name	Impacts	Changes at RIS update
<i>Buddleja davidii</i>	Butterfly Bush	Actually (major impacts)	unknown
<i>Bunias orientalis</i>	Turkish Rocket	Actually (major impacts)	unknown
<i>Cornus sericea</i>	Red Osier Dogwood	Actually (minor impacts)	unknown
<i>Elodea canadensis</i>	Canadian Waterweed	Actually (major impacts)	unknown
<i>Elodea nuttallii</i>	Nuttall	Actually (major impacts)	unknown
<i>Erigeron annuus</i>	Annual Fleabane	Actually (major impacts)	unknown
<i>Euthamia graminifolia</i>	Grass Leaved Goldenrod	Actually (minor impacts)	unknown
<i>Fallopia sachalinensis</i>	Giant Knotweed	Actually (major impacts)	unknown
<i>Impatiens glandulifera</i>	Himalayan Balsam	Actually (major impacts)	unknown
<i>Parthenocissus vitacea</i>	False Virginia Creeper	Actually (minor impacts)	unknown
<i>Robinia pseudoacacia</i>	Robinia	Actually (major impacts)	unknown
<i>Solidago gigantea</i>	Giant Goldenrod	Actually (major impacts)	unknown

### 4.3.2 - Animal species

#### Other noteworthy animal species

Phylum	Scientific name	Common name	Pop. size	Period of pop. est.	%occurrence	Position in range /endemism/other
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Phylum	Scientific name	Common name	Pop. size	Period of pop. est.	%occurrence	Position in range /endemism/other
CHORDATA/AVES	<i>Acrocephalus arundinaceus</i>	Great Reed Warbler		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Alauda arvensis</i>	Eurasian Skylark		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Apus apus</i>	Common Swift		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Apus melba</i>	Alpine Swift		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Asio otus</i>	Long-eared Owl		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Carduelis cannabina</i>	Common Linnet		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Cuculus canorus</i>	Common Cuckoo		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Delichon urbicum</i>	Common House Martin		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Dendrocopos medius</i>	Middle Spotted Woodpecker		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Emberiza cirlus</i>	Cirl Bunting		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Falco peregrinus</i>	Peregrine Falcon		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Falco subbuteo</i>	Eurasian Hobby		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Falco tinnunculus</i>	Common Kestrel		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Hippolais polyglotta</i>	Melodious Warbler		2013		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Jynx torquilla</i>	Eurasian Wryneck		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Locustella luscinioides</i>	Savi's Warbler		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Locustella naevia</i>	Common Grasshopper Warbler		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Luscinia megarhynchos</i>	Common Nightingale		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Milvus milvus</i>	Red Kite		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Motacilla flava</i>	Western Yellow Wagtail		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Netta rufina</i>	Red-crested Pochard		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Pernis apivorus</i>	European Honey Buzzard		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Phoenicurus phoenicurus</i>	Common Redstart		2014		High Priority Species (List of National Priority Species 2011)

Phylum	Scientific name	Common name	Pop. size	Period of pop. est.	%occurrence	Position in range /endemism/other
CHORDATA/AVES	<i>Sterna hirundo</i>	Common Tern		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Sylvia borin</i>	Garden Warbler		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Sylvia communis</i>	Common Whitethroat		2014		High Priority Species (List of National Priority Species 2011)
CHORDATA/AVES	<i>Tyto alba</i>	Barn Owl		2008		High Priority Species (List of National Priority Species 2011)

#### 4.4 - Physical components

##### 4.4.1 - Climate

Climatic region	Subregion
C: Moist Mid-Latitude climate with mild winters	Cfb: Marine west coast (Mid with no dry season, warm summer)

##### 4.4.2 - Geomorphic setting

a) Minimum elevation above sea level (in metres)

a) Maximum elevation above sea level (in metres)

Entire river basin

Upper part of river basin

Middle part of river basin

Lower part of river basin

More than one river basin

Not in river basin

Coastal

Please name the river basin or basins. If the site lies in a sub-basin, please also name the larger river basin. For a coastal/marine site, please name the sea or ocean.

The site is located in the upper Rhine basin. The river Aare joins the Rhine below the reservoir in the north.

##### 4.4.3 - Soil

Mineral

(Update) Changes at RIS update No change  Increase  Decrease  Unknown

No available information

Are soil types subject to change as a result of changing hydrological conditions (e.g., increased salinity or acidification)? Yes  No

##### 4.4.4 - Water regime

###### Water permanence

Presence?	Changes at RIS update
Usually permanent water present	

###### Source of water that maintains character of the site

Presence?	Predominant water source	Changes at RIS update
Water inputs from rainfall	<input type="checkbox"/>	No change
Water inputs from surface water	<input checked="" type="checkbox"/>	No change
Water inputs from groundwater	<input type="checkbox"/>	No change

###### Water destination

Presence?	Changes at RIS update
To downstream catchment	No change

###### Stability of water regime

Presence?	Changes at RIS update
Water levels largely stable	No change

Please add any comments on the water regime and its determinants (if relevant). Use this box to explain sites with complex hydrology.



The permanent water of the reservoir has a maximum depth of 8 m. The watercourse of the Aare has a depth of 0-6 m, while shallow areas have a depth less than 40 cm. The water level is regulated by the electric power plant and only minor fluctuations of a few centimeters of the water level are observed. Generally, the level of the lake is low in winter and high in spring. During high levels of the river Aare, alluvial and marshy environments are flooded. In the shallow end on the south-west of the site, sediment accumulates and therefore, siltation occurs. This sector freezes during cold winters.

**(EOD) Connectivity of surface waters and of groundwater** Natural groundwater discharges are building freshwater pools and channels in the northwestern part (Gippinger Grien)

#### 4.4.5 - Sediment regime

Significant accretion or deposition of sediments occurs on the site

(Update) Changes at RIS update No change  Increase  Decrease  Unknown

Sediment regime unknown

Please provide further information on sediment (optional):

By channeling the Aare River and the construction of the power plant, the dynamic force of the main flow is largely cut off. Since its formation in 1935, the area is subject to a constant process of silting up shallow water zones by accumulation of alluvial sediments. The silt flats in the southern part of the area are stretching out downstream. In order to obtain the full range of habitats, several revitalisation projects have been carried out. Further projects are planned.

**(EOD) Water temperature** Aare mean temperature (2010-2014): 13.2°C (location: electric power plant Klingnau; above the site)

#### 4.4.6 - Water pH

Circumneutral (pH: 5.5-7.4)

(Update) Changes at RIS update No change  Increase  Decrease  Unknown

Unknown

#### 4.4.7 - Water salinity

Fresh (<0.5 g/l)

(Update) Changes at RIS update No change  Increase  Decrease  Unknown

Unknown

#### 4.4.8 - Dissolved or suspended nutrients in water

Unknown

#### 4.4.9 - Features of the surrounding area which may affect the Site

Please describe whether, and if so how, the landscape and ecological characteristics in the area surrounding the Ramsar Site differ from the i) broadly similar  ii) significantly different  site itself:

Surrounding area has greater urbanisation or development

Surrounding area has higher human population density

Surrounding area has more intensive agricultural use

Surrounding area has significantly different land cover or habitat types

Please describe other ways in which the surrounding area is different:

The site is located in one of the most densely populated and highly exploited areas of Switzerland. The nearby area is characterised by intensive agriculture and forestry, settlement structures, as well as industry. Habitat fragmentation by land use and by transport infrastructure and traffic with associated noise emission are influencing the site and its surroundings.

### 4.5 - Ecosystem services

#### 4.5.1 - Ecosystem services/benefits

##### Provisioning Services

Ecosystem service	Examples	Importance/Extent/Significance
Fresh water	Water for energy production (hydro-electricity)	High
Wetland non-food products	Timber	Low

##### Regulating Services

Ecosystem service	Examples	Importance/Extent/Significance
Hazard reduction	Flood control, flood storage	Medium

##### Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Nature observation and nature-based tourism	Low
Recreation and tourism	Picnics, outings, touring	Low
Recreation and tourism	Recreational hunting and fishing	Low
Scientific and educational	Important knowledge systems, importance for research (scientific reference area or site)	Low
Scientific and educational	Major scientific study site	Medium

Supporting Services

Ecosystem service	Examples	Importance/Extent/Significance
Biodiversity	Supports a variety of all life forms including plants, animals and microorganisms, the genes they contain, and the ecosystems of which they form a part	High
Nutrient cycling	Storage, recycling, processing and acquisition of nutrients	Low

Within the site:

Outside the site:

Have studies or assessments been made of the economic valuation of ecosystem services provided by this Ramsar Site? Yes  No  Unknown

4.5.2 - Social and cultural values

i) the site provides a model of wetland wise use, demonstrating the application of traditional knowledge and methods of management and use that maintain the ecological character of the wetland

ii) the site has exceptional cultural traditions or records of former civilizations that have influenced the ecological character of the wetland

iii) the ecological character of the wetland depends on its interaction with local communities or indigenous peoples

iv) relevant non-material values such as sacred sites are present and their existence is strongly linked with the maintenance of the ecological character of the wetland

<no data available>

4.6 - Ecological processes

<no data available>

## 5 - How is the Site managed? (Conservation and management)

### 5.1 - Land tenure and responsibilities (Managers)

#### 5.1.1 - Land tenure/ownership

##### Public ownership

Category	Within the Ramsar Site	In the surrounding area
Local authority, municipality, (sub)district, etc.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Provincial/region/state government	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other public ownership	<input checked="" type="checkbox"/>	<input type="checkbox"/>

##### Private ownership

Category	Within the Ramsar Site	In the surrounding area
Commercial (company)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other types of private/individual owner(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Provide further information on the land tenure / ownership regime (optional):

Provincial/region/state government: Canton of Argovie  
 Local authority, municipality: Surrounding communities  
 Alluvial forest: Forest corporation

#### 5.1.2 - Management authority

Please list the local office / offices of any agency or organization responsible for managing the site:

Kanton Aargau  
 Departement Bau, Verkehr und Umwelt  
 Abteilung Landschaft und Gewässer

Provide the name and title of the person or people with responsibility for the wetland:

Egger Simon

Postal address:

Kanton Aargau  
 Departement Bau, Verkehr und Umwelt  
 Abteilung Landschaft und Gewässer  
 Entfelderstrasse 22  
 5001 Aarau

E-mail address:

alg@ag.ch

### 5.2 - Ecological character threats and responses (Management)

#### 5.2.1 - Factors (actual or likely) adversely affecting the Site's ecological character

##### Human settlements (non agricultural)

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Housing and urban areas	Medium impact	Low impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Tourism and recreation areas	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input type="checkbox"/>	No change

##### Water regulation

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Water abstraction	Medium impact	Medium impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	unknown
Canalisation and river regulation	High impact	High impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	decrease

##### Agriculture and aquaculture

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Annual and perennial non-timber crops	Medium impact	Medium impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

##### Energy production and mining

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Renewable energy	Medium impact	Low impact	<input checked="" type="checkbox"/>	No change	<input type="checkbox"/>	No change

##### Transportation and service corridors

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Aircraft flight paths	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change
Roads and railroads	Medium impact	Medium impact	<input type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

## Biological resource use

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Fishing and harvesting aquatic resources	Low impact	Low impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

## Human intrusions and disturbance

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Recreational and tourism activities	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

## Natural system modifications

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Dams and water management/use	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input type="checkbox"/>	No change

## Invasive and other problematic species and genes

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Invasive non-native/ alien species	Medium impact	Medium impact	<input checked="" type="checkbox"/>	No change	<input type="checkbox"/>	No change

## Pollution

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Agricultural and forestry effluents	unknown impact	unknown impact	<input checked="" type="checkbox"/>	No change	<input checked="" type="checkbox"/>	No change

## Climate change and severe weather

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Temperature extremes	unknown impact	unknown impact	<input checked="" type="checkbox"/>	unknown	<input checked="" type="checkbox"/>	increase
Habitat shifting and alteration	unknown impact	unknown impact	<input checked="" type="checkbox"/>	unknown	<input type="checkbox"/>	No change

## 5.2.2 - Legal conservation status

## National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Cantonal alluvial forest reserve	Auenwaldreservat Koblenzer Griz, objectno.160_AG_W814	<a href="http://www.ag.ch">http://www.ag.ch</a>	whole
Cantonal decree on the protection of the Klingnau reservoir and its surroundings (no. 761.560)	Klingnauer Stausee und seine Umgebung	<a href="http://www.klingnauerstausee.ch/pdf/dekret.pdf">http://www.klingnauerstausee.ch/pdf/dekret.pdf</a>	whole
Cantonal forest reserve	RRB Gippinger Grien, object no.160_AG_W488	<a href="http://www.ag.ch">http://www.ag.ch</a>	whole
Federal Inventory of Landscape and Natural Monuments of National Importance (1977, RS 451.11)	Aarelandschaft bei Klingnau, object no. 1109	<a href="http://www.bafu.admin.ch">http://www.bafu.admin.ch</a>	partly
Federal inventory of Alluvial Zones of National Importance (1992, RS 451.31)	Auenreste Klingnauer Stausee (No. 36)	<a href="http://www.bafu.admin.ch">http://www.bafu.admin.ch</a>	partly
Federal inventory of Amphibian Spawning Areas of National Importance (2001, RS 451.34)	Griz (Object no. AG340) / Gippinger Grien (Object no. AG404)	<a href="http://www.bafu.admin.ch">http://www.bafu.admin.ch</a>	partly
Federal inventory of Fenlands of National Importance (1994, RS 451.33)	Verlandung im Klingnauer Stausee, object no.2370	<a href="http://www.bafu.admin.ch/">http://www.bafu.admin.ch/</a>	whole
Federal inventory of Fenlands of National Importance (1994, RS 451.33)	Gippinger Grien, object no. 2371	<a href="http://www.bafu.admin.ch/">http://www.bafu.admin.ch/</a>	whole
Federal reserve for Waterbirds and Migratory Birds of International and National Importance (1991, RS 922.32)	Klingnauerstausee (AG), Objekt Nr. 3	<a href="http://www.bafu.admin.ch/">http://www.bafu.admin.ch/</a>	whole

Non-statutory designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Important Bird Area	No. CH 012	http://www.birdlife.ch	whole
Other non-statutory designation	Auenschutzpark Kanton Aargau: Auen unteres Aaretal	https://www.ag.ch	partly

5.2.3 - IUCN protected areas categories (2008)

- Ia Strict Nature Reserve
- Ib Wilderness Area: protected area managed mainly for wilderness protection
- II National Park: protected area managed mainly for ecosystem protection and recreation
- III Natural Monument: protected area managed mainly for conservation of specific natural features
- IV Habitat/Species Management Area: protected area managed mainly for conservation through management intervention
- V Protected Landscape/Seascape: protected area managed mainly for landscape/seascape conservation and recreation
- VI Managed Resource Protected Area: protected area managed mainly for the sustainable use of natural ecosystems

5.2.4 - Key conservation measures

Legal protection

Measures	Status
Legal protection	Implemented

Habitat

Measures	Status
Habitat manipulation/enhancement	Partially implemented
Improvement of water quality	Implemented
Faunal corridors/passage	Implemented

Species

Measures	Status
Threatened/rare species management programmes	Partially implemented

Human Activities

Measures	Status
Management of water abstraction/takes	Partially implemented
Fisheries management/regulation	Implemented
Regulation/management of recreational activities	Partially implemented
Communication, education, and participation and awareness activities	Implemented

Other:

The site was designated following a cantonal referendum launched by the Swiss Association for the Protection of Birds (ASPO). Most of the Ramsar site (except the agricultural zone located east of Leuggern) is protected by the Cantonal Decree on the Protection of Lake Klingnau and its Surroundings“ 17/05/1988. The main protective measures are: Regulation of navigation, visitors management to avoid disturbances (ban on leaving tracks and paths, regulation of recreational activities).

5.2.5 - Management planning

Is there a site-specific management plan for the site? Yes

Has a management effectiveness assessment been undertaken for the site? Yes  No

If the site is a formal transboundary site as indicated in section Data and location > Site location, are there shared management planning processes with another Contracting Party? Yes  No

Please indicate if a Ramsar centre, other educational or visitor facility, or an educational or visitor programme is associated with the site:

The "ornithological working group Klingnauer Stausee" provides online information about the protected area in general, birds, other animal and plant species, conservation measures, recreational activities, a.s.o.  
The working group publishes an annual ornithological review.  
The local association of nature and bird conservation built a wooden observation tower and an observation platform in the area with information pannels for visitors. The planning of a visitors center is in process.

URL of site-related webpage (if relevant): <http://www.klingnauerstausee.ch/>

#### 5.2.6 - Planning for restoration

Is there a site-specific restoration plan? Yes, there is a plan

#### 5.2.7 - Monitoring implemented or proposed

Monitoring	Status
Plant community	Proposed
Birds	Implemented
Animal species (please specify)	Implemented

Monitoring of the Amphibian Spawning Areas of National Importance: Implemented.  
Monitoring the effectiveness of Swiss mire protection: Implemented.  
Monitoring of lichens and fungi: Proposed.  
Monitoring of the compensatory measures as part of the environmental impact assessment in the context of the river power plants renewal of the water rights concession in 2015: Planned

## 6 - Additional material

### 6.1 - Additional reports and documents

#### 6.1.1 - Bibliographical references

Reference list (pdf): See 6.1.2. vi.

#### 6.1.2 - Additional reports and documents

i. taxonomic lists of plant and animal species occurring in the site (see section 4.3)

<no file available>

ii. a detailed Ecological Character Description (ECD) (in a national format)

<no file available>

iii. a description of the site in a national or regional wetland inventory

<5 file(s) uploaded>

iv. relevant Article 3.2 reports

<no file available>

v. site management plan

<1 file(s) uploaded>

vi. other published literature

<1 file(s) uploaded>

#### 6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site:



Klingnauer Stausee ( Kanton Aargau, Abt. Landschaft und Gewässer: Eric Soder, 14-02-2014 )

#### 6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation 1990-11-09