



Ramsar Information Sheet

Published on 7 September 2023

Austria

Lendspitz - Maiernigg



Designation date	25 July 2023
Site number	2523
Coordinates	46°36'42"N 14°15'20"E
Area	77,61 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

The 77 hectares large protected area is characterized by an approx. 500 m long natural shore area of Lake Wörthersee with a natural siltation zone. Here the juvenile Mairénke (*Alburnus mandrensis*/*Chalchalburnus chalcoides*), an endangered fish species according to the Carinthian Red List, finds an optimal habitat, as well as the Thick Shelled River Mussel (*Unio crassus*). The near-natural shore and sedimentation zone is an important area for birds - a total of 170 bird species have been recorded in the protected area. Of these, 10 species are listed as birds in need of special protection in Annex I of the EU Birds Directive. Also of European importance is the Desmoulin's Whirl Snail (*Vertigo moulinsiana*), which occurs in the Calcareous fens with *Cladium mariscus* (priority habitat type according to EU Habitat Directive) and untilled land areas adjacent to the lakeshore, sometimes with large populations. The snail *Cochlicopa nitens* can be recorded as a rarity and as an extinct species in Carinthia. A number of FFH II/IV species of the EU Directive also occur in the alternating wet habitats. The amphibian species Yellow-Bellied Toad (*Bombina variegata*) and the Agile Frog (*Rana dalmatina*) were observed, as well as the Dice Snake (*Natrix tessellata*). For a number of bat species, the water-influenced habitats represent an important foraging area; thus, the Lesser Horseshoe Bat (*Rhinolophus hipposideros*), the Western Barbastelle (*Barbastella barbastellus*), the Greater Mouse-eared Bat (*Myotis myotis*), as well as nine other FFH Annex IV bat species were documented. Another water-bound species in the area is the Beaver (*Castor fiber*), whose tracks have been regularly observed since 2006. The open water areas of the smaller ponds in the area provide an important habitat for dragonfly species. The Yellow Spotted Whiteface (*Leucorrhinia pectoralis*), which was considered extinct in Carinthia 20 years ago, was detected in 2019. The beetle *Carabus nodulosus* was discovered in the wet transitional spaces of the forest adjacent to the riparian-, reedbed- and sedge meadow areas. Another insect species is considered the flagship species of the area, namely the butterfly Large Copper (*Lycaena dispar*). This butterfly, which has its habitat in litter meadows, is one of the pillars of the site's declaration as a Natura 2000 site. According to the Carinthian Red List, 43 animal species are more or less severely threatened.

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

Responsible compiler

Institution/agency	Arge NATURSCHUTZ
Postal address	Gasometergasse 10 9020 Klagenfurt am Wörthersee Carinthia, Austria

National Ramsar Administrative Authority

Institution/agency	Unterabteilung Naturschutz
Postal address	Flatschacher Straße 70 9021 Klagenfurt am Wörthersee Carinthia, Austria

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)

2.2 - Site location

2.2.1 - Defining the Site boundaries

b) Digital map/image
<1 file(s) uploaded>

Former maps

Boundaries description

The boundary of the Ramsar site is the same as the Natura 2000 site "Lendspitz-Maiernigg" AT2130000

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
EU biogeographic regionalization	Alpine biogeographic region

3 - Why is the Site important?

3.1 - Ramsar Criteria and their justification

- Criterion 1: Representative, rare or unique natural or near-natural wetland types

Hydrological services provided

The vegetation of the site contains representative, rare, natural and near-natural wetland types. According to the EU Habitats Directive we find in the study area several internationally important habitats as listed below: Hard oligo-mesotrophic waters with benthic vegetation of Chara spp. (3140) Natural eutrophic lakes with Magnopotamion or Hydrocharition - type vegetation (3150) Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae) (6410) Calcareous fens with Cladium mariscus and species of the Caricion davallianae (7210*) Alkaline fens (7230) The sign ``*`` indicates priority habitat types according to EU Habitats Directive. On the Red Data Book of endangered biotope types of Carinthia, we find various habitats which occur in the study area: lake outflow, horsty tall sedge reed, large reedbeds on still waters and land reedbeds, base-rich moor-grass meadow, flood meadow, softwood-dominated riparian woodland stretches, shrub willow quarry, birch bog forest.

- Criterion 2 : Rare species and threatened ecological communities

Optional text box to provide further information

Following species of the Annex II (and IV) of the EU Habitats Directive have their natural habitat in the site. These are the mammal species Castor fiber, amphibian species Bombina variegata, the fish species Rhodeus sericeus amarus, the bat species Barbastella barbastellus and Rhinolophus hipposideros, the dragonfly species Leucorrhinia pectoralis, the arthropods species Carabus variolosus nodulosus, the molluscs species Unio crassus and Vertigo moulinsiana and the butterfly species Lycaena dispar. Further the site contains bat-species of the Annex VI of the EU Habitats Directive: Hypsugo savii, Myotis daubentonii, Nyctalus leisleri, Nyctalus noctula, Pipistrellus pipistrellus, Pipistrellus pygmaeus, Pipistrellus kuhlii/Pipistrellus nathusii, Vespertilio murinus, Plecotus ssp.

- Criterion 3 : Biological diversity

Justification

In the Year 2019 the Yellow-spotted Whiteface (Leucorrhinia pectoralis, listed in Annex II and IV of the Fauna-Flora-Habitat-Directive of the European Union) was detected near a pond in Maiernigg, which offers a perfect habitat for the rare dragonfly species. The area with its near-natural shore and siltation zone is an important area for bird species, especially for migratory birds, but also for individual breeding birds and foraging guests, which are rare throughout Europe. Breeding birds in the area are mainly woodpeckers (Picus canus, Dryocopus martius) as well as reed buntings (Emberiza schoeniclus) and coots (Fulica atra). There are also individual records of Spotted Crake (Porzana porzana), Little Bittern (Ixobrychus minutus) and Water Rail (Rallus aquaticus). Also of great importance is Vertigo moulinsiana, which has been detected in the cut-sedge stands in the Maiernigg subarea with sometimes large populations. The riparian zone is an important habitat for the fish species Rhodeus amarus and Chalcalburnus chalcoides (Alburnus mandrensis), which have been detected in the area. Since 2006, the beaver (Castor fiber) has been regularly observed as a water-borne species. For a number of bats, the area represents an important hunting ground, as for the species Myotis daubentonii and Nyctalus noctula, according to EU Habitats Directive, Annex IV. The amphibian species Hyla arborea, Rana arvalis wolterstorffii and Rana dalmatina (EU Habitats Directive, Annex IV) are also regularly observed. Three faunal species could be shown in the area for the first time in Carinthia: Hydroptila dampfi, Tanysphyrus lemnae, Acilius canaliculatus, as well as the tube fungus Orbilia aristata.

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

Optional text box to provide further information

In Carinthia, the Mairénke fish species (*Chalcalburnus chalcoides* 1772) is found exclusively in Lake Wörthersee and the Wörthersee outflow. The area of Lendspitz Maiernigg represents one of the important refugial habitats for this fish population. The reed and macrophyte stands present in the protected area represent an essential habitat for juvenile Mairénke. The spawning area of these fish, which are endangered according to the Carinthian Red List, is located in the Natura 2000 site "Reifnitzbach", 5 kilometers away.

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

Phylum	Scientific name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
Plantae								
TRACHEOPHYTA/ LILIOPSIDA	<i>Carex davalliana</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		
TRACHEOPHYTA/ LILIOPSIDA	<i>Carex distans</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		
TRACHEOPHYTA/ LILIOPSIDA	<i>Carex hartmanii</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		
TRACHEOPHYTA/ LILIOPSIDA	<i>Carex pseudocyperus</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		
TRACHEOPHYTA/ LILIOPSIDA	<i>Carex rostrata</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		
TRACHEOPHYTA/ LILIOPSIDA	<i>Carex vesicaria</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		
TRACHEOPHYTA/ LILIOPSIDA	<i>Cladium mariscus</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>	VU	
TRACHEOPHYTA/ LILIOPSIDA	<i>Dactylorhiza fuchsii</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		
TRACHEOPHYTA/ LILIOPSIDA	<i>Dactylorhiza incarnata</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		
TRACHEOPHYTA/ LILIOPSIDA	<i>Eriophorum latifolium</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		
TRACHEOPHYTA/ LILIOPSIDA	<i>Iris pseudacorus</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		
TRACHEOPHYTA/ LILIOPSIDA	<i>Iris sibirica</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NT	<input type="checkbox"/>		
TRACHEOPHYTA/ LILIOPSIDA	<i>Juncus alpinoarticulatus</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		
BRYOPHYTA/ BRYOPSIDA	<i>Leucobryum glaucum</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		
TRACHEOPHYTA/ LILIOPSIDA	<i>Molinia caerulea</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		
TRACHEOPHYTA/ LILIOPSIDA	<i>Platanthera bifolia</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		
TRACHEOPHYTA/ POLYPODIOPSIDA	<i>Thelypteris palustris</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LC	<input type="checkbox"/>		
TRACHEOPHYTA/ MAGNOLIOPSIDA	<i>Thysselinum palustre</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		

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

Phylum	Scientific 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								
Others																	
CHORDATA/ MAMMALIA	<i>Barbastella barbastellus</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"/>				NT	<input type="checkbox"/>	<input type="checkbox"/>	EN	
CHORDATA/ AMPHIBIA	<i>Bombina variegata</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	NT	

Phylum	Scientific 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/ MAMMALIA	<i>Castor fiber</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	EN	
ARTHROPODA/ INSECTA	<i>Cymindis miliaris</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"/>	<input type="checkbox"/>	NT	
CHORDATA/ AMPHIBIA	<i>Hyla arborea</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	NT	
CHORDATA/ MAMMALIA	<i>Hypsugo savii</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	VU	
ARTHROPODA/ INSECTA	<i>Leucorrhinia pectoralis</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	VU	
ARTHROPODA/ INSECTA	<i>Lycaena dispar</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"/>				NT	<input type="checkbox"/>	<input type="checkbox"/>	VU	
CHORDATA/ MAMMALIA	<i>Myotis daubentonii</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	EN	
CHORDATA/ MAMMALIA	<i>Nyctalus leisleri</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	EN	
CHORDATA/ MAMMALIA	<i>Nyctalus noctula</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	VU	
CHORDATA/ MAMMALIA	<i>Pipistrellus nathusii</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	VU	
CHORDATA/ MAMMALIA	<i>Pipistrellus pipistrellus</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	VU	
CHORDATA/ MAMMALIA	<i>Pipistrellus pygmaeus</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	VU	
CHORDATA/ AMPHIBIA	<i>Rana arvalis</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	VU	
CHORDATA/ AMPHIBIA	<i>Rana dalmatina</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	NT	
CHORDATA/ MAMMALIA	<i>Rhinolophus hipposideros</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	EN	
CHORDATA/ MAMMALIA	<i>Vespertilio murinus</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"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	VU	
Fish, Mollusc and Crustacea																	
CHORDATA/ ACTINOPTERYGII	<i>Alburnus chalcoides</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	CR	In Carinthia, the Mairenke fish species (<i>Chalcalburnus chalcoides</i> 1772) is found exclusively in Lake Wörthersee and the Wörthersee outflow. The area of Lendspitz Maiernigg represents one of the important refugial habitats for this fish population. The reed and macrophyte stands present in the protected area represent an essential habitat for juvenile Mairenke. The spawning area of these fish, which are endangered according to the Carinthian Red List, is located in the Natura 2000 site "Reifnitzbach", 5 kilometers away.
CHORDATA/ ACTINOPTERYGII	<i>Rhodeus amarus</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	VU	
MOLLUSCA/ BIVALVIA	<i>Uhuio crassus</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"/>				EN	<input type="checkbox"/>	<input type="checkbox"/>	EN	
MOLLUSCA/ GASTROPODA	<i>Vertigo moulinsiana</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				VU	<input type="checkbox"/>	<input type="checkbox"/>	VU	
Birds																	
CHORDATA/ AVES	<i>Alcedo atthis</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	NT	
CHORDATA/ AVES	<i>Ardea alba</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	VU	

Phylum	Scientific 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>Dryocopus martius</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	NT	
CHORDATA/AVES	<i>Emberiza schoeniclus</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	VU	
CHORDATA/AVES	<i>Fulica atra</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	NT	
CHORDATA/AVES	<i>Ixobrychus minutus</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	NT	
CHORDATA/AVES	<i>Lanius collurio</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	VU	
CHORDATA/AVES	<i>Luscinia svecica</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	VU	
CHORDATA/AVES	<i>Picus canus</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	VU	
CHORDATA/AVES	<i>Porzana porzana</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	VU	
CHORDATA/AVES	<i>Rallus aquaticus</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				LC	<input type="checkbox"/>	<input type="checkbox"/>	NT	
CHORDATA/AVES	<i>Sylvia nisoria</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	VU	

1) Percentage of the total biogeographic population at the site

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
Calcareous fens with <i>Cladium mariscus</i>	<input checked="" type="checkbox"/>	Habitat for <i>Vertigo moulinsiana</i>	Priority habitat type according to EU Habitats Directive

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

4.1 - Ecological character

The area includes part of the water body of Lake Wörthersee, which has thick lake chalk deposits in this natural siltation section. Over a shoreline length of approx. 500 m a typical sedimentation vegetation is found. In the southern, more natural zone, the typical sedimentation zone can still be observed. A narrow reed belt is followed by an extensive cut-sedge reed. Inland there are stands of large sedges and moor grass meadows. Over 39 % of the whole area is stocked by swamp forests and wet scrubs, which merge into a mixed deciduous forest rich in pines and spruces.

The northern protected area is more strongly marked by human influence. The narrow riparian fringe is occupied by reeds, the pine-birch scrub forest behind it is intersected by a cycle path. Moor areas that are not overgrown or forested are dominated by moor grass meadows, sedge meadows and cut-sedge reed. The eastern part is dominated by intensively used agricultural land, island-like occurrences of sedge meadows and swamp forests, which are crisscrossed by water ditches. When the water level of Lake Wörthersee is high, considerable parts of the area are flooded.

The bedrock outcrops of the Siebenhügel are also worthy of note. Remarkable relicts of acidic oak forests have survived on these hills. These are the last reference stands in the Klagenfurt Basin, but are partially impaired by forestry measures (conifers).

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 > Lakes and pools >> O: Permanent freshwater lakes	Wörthersee	3	3.1486	Representative
Fresh water > Marshes on inorganic soils >> Tp: Permanent freshwater marshes/pools	Seerosenteich	4	0.52	Unique
Fresh water > Marshes on inorganic soils >> Ts: Seasonal/intermittent freshwater marshes/pools on inorganic soils		4	1	Representative
Fresh water > Marshes on inorganic soils >> W: Shrub-dominated wetlands		2	5.134	Representative
Fresh water > Marshes on inorganic soils >> Xf: Freshwater, tree-dominated wetlands		1	29.7884	Representative

Human-made wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type
2: Ponds	Maiernigg-Teich und kleine Teiche	4	1.1

Other non-wetland habitat

Other non-wetland habitats within the site	Area (ha) if known
Intensively managed grassland	10.71
Luzulo-Fagetum beech forests	3.48

4.3 - Biological components

4.3.1 - Plant species

Invasive alien plant species

Phylum	Scientific name	Impacts
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Impatiens glandulifera</i>	Actual (major impacts)
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Reynoutria japonica</i>	Actual (major impacts)
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Robinia pseudoacacia</i>	Actual (minor impacts)
TRACHEOPHYTA/MAGNOLIOPSIDA	<i>Solidago canadensis</i>	Actual (minor impacts)

4.3.2 - Animal species

<no data available>

4.4 - Physical components

4.4.1 - Climate

Climatic region	Subregion
D: Moist Mid-Latitude climate with cold winters	Dfb: Humid continental (Humid with severe winter, 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.

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4.4.3 - Soil

- Mineral
- Organic
- 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?	
Usually seasonal, ephemeral or intermittent water present	No change

Source of water that maintains character of the site

Presence?	Predominant water source	
Water inputs from groundwater	<input checked="" type="checkbox"/>	No change

Water destination

Presence?	
Feeds groundwater	No change

Stability of water regime

Presence?	
Water levels largely stable	No change

4.4.5 - Sediment regime

- Significant erosion of sediments occurs on the site
- Significant accretion or deposition of sediments occurs on the site
- Significant transportation of sediments occurs on or through the site
- Sediment regime is highly variable, either seasonally or inter-annually
- Sediment regime unknown

<no data available>

4.4.6 - Water pH

- Acid (pH<5.5)
- Circumneutral (pH: 5.5-7.4)
- Alkaline (pH>7.4)
- Unknown

4.4.7 - Water salinity

- Fresh (<0.5 g/l)
- Mixohaline (brackish)/Mixosaline (0.5-30 g/l)
- Euhaline/Eusaline (30-40 g/l)
- Hyperhaline/Hypersaline (>40 g/l)
- Unknown

4.4.8 - Dissolved or suspended nutrients in water

- Eutrophic
- Mesotrophic
- Oligotrophic
- Dystrophic
- 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 site itself: i) broadly similar ii) significantly different

- 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

4.5 - Ecosystem services

4.5.1 - Ecosystem services/benefits

Provisioning Services

Ecosystem service	Examples	Importance/Extent/Significance
Fresh water	Drinking water for humans and/or livestock	High

Regulating Services

Ecosystem service	Examples	Importance/Extent/Significance
Maintenance of hydrological regimes	Groundwater recharge and discharge	High

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Nature observation and nature-based tourism	High

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

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

Where economic studies or assessments of economic valuation have been undertaken at the site, it would be helpful to provide information on where the results of such studies may be located (e.g. website links, citation of published literature):

Project "City meets nature" by E.C.O, 2021, https://e-c-o.at/project-details/pid_306.html
 Measures: habitat improvement for reed-breeding birds and *Vertigo moulinsiana* in the form of protection of the reed belt; maintenance and restoration of *Molinia*-meadows for *Sanguisorba officinalis* and *Phengaris nausithous*; creation of additional spawning grounds for *Rana arvalis wolterstorffii* and *Leucorrhinia pectoralis*; pilot project for the reintroduction of *Vertigo moulinsiana*.

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
National/Federal government	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Provincial/region/state government	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Local authority, municipality, (sub)district, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Private ownership

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

5.1.2 - Management authority

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

Amt der Kärntner Landesregierung, Abteilung 8 Umwelt, Naturschutz und Klimaschutzkoordination
Magistrat der Landeshauptstadt Klagenfurt, Abteilung Klima und Umweltschutz

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

Mag. Klaus Krainer

Postal address:

Gasometergasse 10
9020 Klagenfurt am Wörthersee
Carinthia, Austria

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	In the surrounding area
Tourism and recreation areas	Medium impact		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Housing and urban areas	Medium impact		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Water regulation

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Canalisation and river regulation	Medium impact		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Drainage	Medium impact		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Human intrusions and disturbance

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Recreational and tourism activities	High impact		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Invasive and other problematic species and genes

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Invasive non-native/ alien species	Medium impact		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Pollution

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Garbage and solid waste	Low impact		<input checked="" type="checkbox"/>	<input type="checkbox"/>

5.2.2 - Legal conservation status

Regional (international) legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
EU Natura 2000	Lendspitz-Maiernigg	https://natura2000.eea.europa.eu/Natura2000/SDF.aspx?site=AT2130000	whole

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Nature Reserve	Landschaftsschutzgebiet Lendspitz-Siebenhügel		partly
Nature Reserve	Landschaftsschutzgebiet Maiernigg		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

<no data available>

5.2.4 - Key conservation measures

Legal protection

Measures	Status
Legal protection	Implemented

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:

educational and visitor programme

URL of site-related webpage (if relevant): https://e-c-o.at/project-details/pid_306.html

5.2.6 - Planning for restoration

Is there a site-specific restoration plan? No, but a plan is being prepared

Further information

<https://www.ktn.gv.at/Themen-AZ/Details?thema=11&detail=1317>

5.2.7 - Monitoring implemented or proposed

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

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

2007/10/307

GLATZ-JORDE & S. JUNGMEIER & M. KIRCHMEIR & H. KÖSTL, T. (2015): Management Plan Europaschutzgebiet Lendspitz-Maiernigg – Revision 2015. Bearbeitung: E.C.O. Institut für Ökologie, Klagenfurt, 95p + Anhang

GLATZ-JORDE & S. JUNGMEIER, M. (2016): Biodiversität im Stadtgebiet von Klagenfurt: Das Natura 2000-Gebiet Lendspitz-Maiernigg – Ergebnisse des GEO-Tags der Artenvielfalt 2015

SPITZENBERGER, F. (2005): Rote Liste der Säugetiere Österreichs (Mammalia). In: Zulka, K. P. (Red.): Rote Listen gefährdeter Tiere Österreichs. Checklisten, Gefährdungsanalysen, Handlungsbedarf. Teil 1: Säugetiere, Vögel, Heuschrecken, Wasserkäfer, Netzflügler, Schnabelfliegen, Tagfalter. Grüne Reihe des Bundesministeriums für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft Band 14/1 (Gesamtherausgeberin Ruth Wallner). Böhlaus, Wien: 45–62.

GOLLMANN, G. (2007): Rote Liste der in Österreich gefährdeten Lurche (Amphibia) und Kriechtiere (Reptilia). In: Zulka, K. P. (Red.): Rote Liste gefährdeter Tiere Österreichs. Checklisten, Gefährdungsanalysen, Handlungsbedarf. Teil 2: Kriechtiere, Lurche, Fische, Nachtfalter, Weichtiere. Grüne Reihe des Bundesministeriums für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft (Gesamtherausgeberin Ruth Wallner) Band 14/2. Wien, Böhlaus: 37–60.

SCHIEGL, R. (2020:) Aktuelle Verbreitung der Großen Moosjungfer (*Leucorrhinia pectoralis*, Charpentier 1825) und Nachweis der Zierlichen Moosjungfer (*Leucorrhinia caudalis*, Charpentier 1840) in Kärnten (Odonata: Anisoptera), Carinthia II, 210./130. Jahrgang, Seiten 561–580, Klagenfurt 2020

HOLZINGER W. E. & B. KOMPOSCH (2012): Die Libellen Kärntens. - Sonderreihe Natur Kärnten, Band 6. Naturwissenschaftlicher Verein für Kärnten, Klagenfurt,

GITSCHTHALER, D. (2021): Endbericht Libellenkartierung, City meets Nature – Lebensraumverbesserung für, Moorfrosch und Co. im urbanen Europaschutzgebiet, Lendspitz-Maiernigg

W. E. HOLZINGER, P. MILDNER, T. ROTTENBURG & C. WIESER (1999): Rote Listen gefährdeter Tiere Kärntens, Naturschutz in Kärnten 15: 643 – 662, Klagenfurt

GLATZ-JORDE, S., Wiegele, E., Suessenbacher, R., Fikar, C., Kollmann, M.(2021): City meets Nature – Lebensraumgestaltung für Moorfrosch und Co im urbanen Europaschutzgebiet Lendspitz-Maiernigg (Klagenfurt). Endbericht September.

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

<no file available>

iv. relevant Article 3.2 reports

<no file available>

v. site management plan

<1 file(s) uploaded>

vi. other published literature

<no file available>

6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site:



One of the small ponds - aerial picture (E.C.O. Institut für Ökologie - C.Hecke, 22-07-2015)



Wet forest, fen, Lake Wörthersee - aerial picture (E.C.O. Institut für Ökologie - C.Hecke, 22-07-2015)



Fen, mouth of the creek, Lake Wörthersee - aerial picture (E.C.O. Institut für Ökologie - C.Hecke, 22-07-2015)



Wet forest and creek mouth view from Lake Wörthersee - aerial picture (E.C.O. Institut für Ökologie - C.Hecke, 27-07-2023)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation