

Ramsar Information Sheet

Published on 6 October 2023 Update version, previously published on : 1 January 1992

Germany Lake Ammer



Designation date 26 February 1976 Site number 93 Coordinates 48°00'21"N 11°07'35"E Area 6 386,00 ha

https://rsis.ramsar.org/ris/93 Created by RSIS V.1.6 on - 6 October 2023

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

Lake Ammer is a large natural freshwater lake (16.2 km long, 2.5 to 3.5 km wide) located south-west of Munich. It is surrounded by end-moraine hills. There are narrow gravel banks on the western and eastern shore and large areas in hydro-seral succession, developing into moorland on the northern and southern shores.

The site's key ecological characteristics include a large, natural, mesotrophic freshwater lake with fluctuating water levels situated in a glacier valley. The banks consist various types of reeds, moorland areas, scrubs and meadows. The Site is an important area for breeding, wintering and resting for waterbirds. The site supports commercial fishery and recreational activities.

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

Responsible compiler								
Institution/agency	Landesamt für Umwelt Bayern							
Postal address	Bürgermeister-Ullrich-Straße 160 86179 Augsburg Germany							
National Ramsar Administrat	ive Authority							
Institution/agency	nternational Cooperation on Biodiversity Ramsar Focal Point Germany Federal							
Postal address	Stresemannstraße 128 - 130, 10117 Berlin, Germany							
2.1.2 - Period of collection of data an	id information used to compile the RIS							
From year	2000							
To year	2019							
2.1.3 - Name of the Ramsar Site								
Official name (in English, French or Spanish)	Lake Ammer							
Unofficial name (optional)	Ammersee							
2.1.4 - Changes to the boundaries ar	id area of the Site since its designation or earlier update							
(Update) A	Changes to Site boundary Yes O No							
(upua	B. Changes to Site area No change to area							
(Opdate) For secretariat only: T	his update is an extension							
2.1.5 - Changes to the ecological cha	aracter of the Site							
^(Update) 6b i. Has the ecological character of applicable Criteria) change	the Ramsar Site (including ed since the previous RIS?							
2.2 - Site location								
2.2.1 - Defining the Site boundaries								
b) Digital map/image <2 file(s) uploaded>								
Former maps	0							
Boundaries description								
The boundary of the Ramsar Site fo	llows the lake shores in the West and the East and also includes moorland areas in the North which are							

partly also included in EU Natura 2000 site "Ampermoos". In the South the Ramsar Site partly overlaps with the Natura 2000 area "Ammersee south shore and Raistinger meadows" and the nature reserve "Vogelfreistätte Ammersee Südufer".

2.2.2 - General location

a) In which large administrative region does the site lie? District: Landsberg a. Lech, Weilheim-Schongau, Fürstenfeldbruck; State: Bavaria; Federal Republic of Germany

b) What is the nearest town or population Herrsching am Ammersee, Dießen am Ammersee 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 O No (

b) Is the site adjacent to another designated Ramsar Site on the territory of another Contracting Party?

2.2.4 - Area of the Site

Official area, in hectares (ha):	6386	
Area, in hectares (ha) as calculated from	6385.435	
GIS boundaries	-	

2.2.5 - Biogeography

Biogeographic regions							
Regionalisation scheme(s)	Biogeographic region						
EU biogeographic regionalization	Continental						

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

The Ammersee is the third largest lake in Bavaria and was formed by glaciers like the other lakes of the foothills of the Alps. During the Ice Age the typical tongue basin of Lake Ammersee was formed by the Loisach glacier. In the north of the lake, the Nature Reserve Ampermoos extends from the shore to the nearby town of Grafrath. This marsh is one of the most important fens in Germany and is named by the river Amper flowing out of the Ammersee.

Other reasons

At the southern end of the Ammersee there is another calcarous fen area, designated as the Natura 2000 area "Ammersee south shore and Raistinger meadows" and the nature reserve "Vogelfreistätte Ammersee Süd". Threatened bird species breed here, e. g. the Corncrake. At the South of lake Ammersee there is the mouth of the canalized river Ammer, forming a relict of a delta.

Criterion 2 : Rare species and threatened ecological communities

Criterion 3 : Biological diversity

Justification	Abundant complexes of wet meadows and species-rich extensive meadows in the south of Ammersee (Ammersee-Südufer und Raistinger Wiesen). Outstanding, species-rich silting up with reedbeds, wet meadows and large areas of extensive meadows. Numerous occurrence of Annex II (EU Habitats Directive) - species, partly represented by abundant numbers of individuals, grassland birds habitat. Nationally significant stocks of fen-sedge and molinia caeruleae-meadows with rare species of floodplain in Ampermoos, the north of lake Ammersee.	
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Criterion 4 : Support during critical life cycle stage or in adverse conditions

End year 2015

Criterion 6 : >1% waterbird population

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								
BRYOPHYTA/ BRYOPSIDA	Hamatocaulis vernicosus	×	V				EU Habitats Directive Appendix II	
TRACHEOPHYTA/ LILIOPSIDA	Liparis loeselii	V	V				National and State RL 2 (EN)	

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

Phylum	Scientific name	Sp qua crit 2 4	ecies alifies nder terion 6 9	со Э 3	Spec ontril unc crite 5	cies butes der erion 7 8	Pop. Size	Period of pop. Est.	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
Others														
ARTHROPODA/ INSECTA	Maculinea nausithous									NT			EU Habitats Directive Appendix II	larval development
Fish, Mollusc and Crustacea														
CHORDATA/ ACTINOPTERYGII	Coregonus bavaricus									CR			EU Habitats Directive Appendix V	endemic, HOFER, 1909
CHORDATA/ ACTINOPTERYGII	Misgurnus fossilis									LC			EU Habitats Directive Appendix II, National and State RL 2 (EN)	spawning area
CHORDATA/ ACTINOPTERYGII	Salvelinus evasus		000							VU				endemic, FREYHOF & KOTTELAT, 2005; spawning area
MOLLUSCA/ BIVALVIA	Unio crassus									EN			EU Habitats Directive Appendix II	reproduction;
MOLLUSCA/ GASTROPODA	Vertigo angustior												EU Habitats Directive Appendix II	reproduction
Birds														
CHORDATA/ AVES	Mergus merganser						109	2014-2019	3.1	LC				Wintering; Population merganser, Central west Europe (bre)
CHORDATA/ AVES	Netta rufina		220				1448	2014-2019	2.6	LC				Staging and wintering; also breeding; Population South-west & Central Europe/West Mediterranean

1) Percentage of the total biogeographic population at the site

+Euphydryas aurinia, Vertigo geyeri, Glaucopsyche nausithous (not in database)	

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
EU Code 3260 Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation	V	Ranunculion fluitantis -Gesellschaft, Caliltriche platycarpa – Basalgesellschaft, Potamogetoncrispus-Myriophyllum spicatum- G	EU Habitats Directive Annex I
EU Code 7210 Calcareous fens with Cladium mariscus and species of the Caricion davallianae	V	Phragmitetae (Röhrrichte und Seggenrieder)	EU Habitats Directive Annex I
EU Code 6410 Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Eu-Molinion)	V	Molinion caeruleae (Streuwiesen)	EU Habitats Directive Annex I

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

4.1 - Ecological character

Large areas of water without vegetation, shallow-water bays, surrounded by large reed beds, including Phragmites communis, Typha latifolia, Scirpus lacustris. Aquatic plants: Nuphar luteum, Potamogeton pectinatus and P. densus, Elodea canadensis. Area of tall sedges: Carex elata, C. vesicaria Alder and willow shrubs: Alnus glutinosa, Salix purpurea, S. alba, S. triandra. Meadows: Schoenus nigricans, S. ferrugineus, Molinia caerulea. At the western shore there is an old Oak-Ash-Forest of about 40 ha preserved as a nature reserve and without forestry. The water level changes from higher levels in spring and summer to low levels in winter.

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		4		Representative
Fresh water > Lakes and pools >> O: Permanent freshwater lakes		1	4660	Representative
Fresh water > Lakes and pools >> Tp: Permanent freshwater marshes/ pools		2	800	Representative
Fresh water > Marshes on inorganic soils >> Ts: Seasonal/ intermittent freshwater marshes/ pools on inorganic soils		3		
Fresh water > Marshes on peat soils >> U: Permanent Non- forested peatlands		3	770	Representative
Fresh water > Marshes on inorganic soils >> W: Shrub- dominated wetlands		4		Representative
Fresh water > Marshes on inorganic soils >> Xf: Freshwater, tree-dominated wetlands		4		Representative
Fresh water > Marshes on peat soils >> Xp: Permanent Forested peatlands		4		

4.3 - Biological components

4.3.1 - Plant species

Invasive alien plant species

Phylum	Scientific name	Impacts	Changes at RIS update
TRACHEOPHYTA/MAGNOLIOPSIDA	Fallopia multiflora ciliinervis	Potential	increase
TRACHEOPHYTA/MAGNOLIOPSIDA	Impatiens glandulifera	Actual (major impacts)	increase
TRACHEOPHYTA/MAGNOLIOPSIDA	Solidago canadensis	Actual (minor impacts)	increase

4.3.2 - Animal species

Invasive alien animal species			
Phylum	Scientific name	Impacts	Changes at RIS update
MOLLUSCA/BIVALVIA	Dreissena polymorpha	Actual (major impacts)	No change
ARTHROPODA/MALACOSTRACA	Orconectes limosus	Actual (major impacts)	increase

4.4 - Physical components

4.4.1 - Climate

RIS for Site no. 93, Lake Ammer, Germany

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

4.4.2 - Geomorphic setting

a) Minimum elevation above sea level (in metres)	533
a) Maximum elevation above sea level (in metres)	534
	Entire river basin
	Upper part of river basin 🗷
	Middle part of river basin
	Lower part of river basin
	More than one river basin \Box
	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.

Ammer is a tributary of the river lsar, one of the major right tributaries of the Danube

4.4.3 - Soil

Mineral 🗵

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

No available information \Box

Are soil types subject to change as a result of changing hydrological conditions (e.g., increased salinity or acidification)?

4.4.4 - Water regime

Vater permanence						
Presence?	Changes at RIS update					
Usually permanent water present	No change					

Source of water that maintains character of the site						
	Presence?	Predominant water source	Changes at RIS update			
	Water inputs from surface water	V	No change			

Water destination

change

 Presence?
 Changes at RIS update

 Water levels largely stable
 No change

4.4.5 - Sediment regime

Significant accretion or deposition of sediments occurs on the site $\begin{array}{c} \end{array}$

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

Significant transportation of sediments occurs on or through the site 📝

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

Sediment regime unknown

4.4.6 - Water pH

Alkaline (pH>7.4)

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

Unknown 🗖

4.4.7 - Water salinity

Fresh (<0.5 g/l) 🗹

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

Unknown 🗖

4.4.8 - Dissolved or suspended nutrients in water

Mesotrophic 🜌

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

Unknown 🗖

Please provide further information on dissolved or suspended nutrients (optional):

Increasing eutrophication in the sixties was stopped and turned through comprehensive renovation of the waste water technology in the surrounding districts (construction of a circular sewer 1971, renovation of sewage treatment plants in the Ammer catchment). Now the lake is mesotrophic again, e. g. leading to a strong increase in numbers of resting Red crested Pochards.

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 O ii) significantly different 🖲

site itself:

Surrounding area has greater urbanisation or development M

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	
Food for humans	Sustenance for humans (e.g., fish, molluscs, grains)	Medium	
Wetland non-food products	Timber	Medium	

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Recreational hunting and fishing	Medium
Recreation and tourism	Picnics, outings, touring	High
Recreation and tourism	Water sports and activities	High
Recreation and tourism	Nature observation and nature-based tourism	High
Spiritual and inspirational	Inspiration	High
Spiritual and inspirational	Cultural heritage (historical and archaeological)	High
Spiritual and inspirational	Contemporary cultural significance, including for arts and creative inspiration, and including existence values	High
Scientific and educational	Long-term monitoring site	High

Have studies or assessments been made of the economic valuation of ecosystem services provided by this Ramsar Site?

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>

RIS for Site no. 93, Lake Ammer, Germany

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						
Provincial/region/state government	V	×						
Local authority, municipality, (sub)district, etc.	Ø	Ø						

Private ownership

Category		Within the Ramsar Site	In the surrounding area	
	Other types of private/individual owner(s)	×	×	

5.1.2 - Management authority

Please list the local office / offices of any agency or organization responsible for managing the site:	1) Koordinationsbüro Ramsar-Ammersee 2) District of Landsberg am Lech, Landratsamt Landsberg am Lech , Untere Naturschutzbehörde
Provide the name and/or title of the person or people with responsibility for the wetland:	Gebietsbetreuer DiplGeograf Christian Niederbichler; Heinrich Heiß
Postal address:	1) Ramsarbüro Ammersee Landsbergerstr. 57 82266 Inning am Ammersee 2) Von-Kühlmann-Str. 15 86899 Landsberg am Lech
E-mail address:	info@ramsar-ammersee.de

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
Commercial and industrial areas	Medium impact			No change	V	increase
Tourism and recreation areas	Medium impact		V	increase	V	increase

Water regulation						
Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Drainage			×			

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	Medium impact		×	No change		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		×	No change	×	increase

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	High impact	High impact	×	No change		No change

Pollution

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Agricultural and forestry effluents	Medium impact		×	increase	V	increase
Air-borne pollutants	Medium impact		×	increase	×	increase

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	Ammerseegebiet 7932-471		partly

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
nature reserve	{Vogelfreistätte Ammersee Südufer} {Ampermoos}		partly

5.2.3 - IUCN protected areas categories (2008)

la Strict Nature Reserve

- Ib Wilderness Area: protected area managed mainly for wilderness protection
 - Il 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

Habitat

Measures	Status
Land conversion controls	Implemented
Faunal corridors/passage	Implemented

5.2.5 - Management planning

Is there a site-specific management plan for the site? No

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

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

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

Koordinationsbüro Ramsar-Ammersee Landsberger Str. 57, 82266 Inning/Stegen Tel: 08143/8807, Fax: 08143/8809

URL of site-related webpage (if relevant): http://ramsar-ammersee.de/Der_Ammersee/der_ammersee.html

5.2.6 - Planning for restoration

Is there a site-specific restoration plan? No need identified

5.2.7 - Monitoring implemented or proposed

Monitoring	Status	
Water quality	Implemented	

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

Bayerisches Landesamt für Umweltschutz (1986-1999); Fortführung der Biotopkartierung in
Bayern
Bayerisches Landesamt für Umweltschutz (2000); Artenschutz-Kartierung (Datenbank-
Auszug)
lfuplan GbR (1997); Zustandserfassung "Ammersee-Süd",Phase IV,Teil I:Abiotische
Grundlagen, Flora und Vegetation; i.A.d.Regierung von Oberbayern, unveröffentl.; München
Leiser, M. (2003); Recherchen von Monika Leiser zu Art- und LRT-Nachträgen im Rahmen der
Erstellung der Erhaltungsziele von Altgebieten, meist Angaben von UNBs, HNBs
Quinger, B. (1997); Vegetationskarte im Maßstab 1:5 000 zur Zustandserfassung "Ammersee-
Süd"; i. A. d. Regierung von Oberbay
Nebelsiek U, Strehlow J (1978): Die Vogelwelt des Ammerseegebietes; Schriftenr. des Bayerischen Landesamtes für Umweltschutz, München,
91 S.
Strehlow, J. (1985). Erste erfolgreiche Brut der Schwarzkopfmöwe Larus melanocephalus in Bayern 1982 am Ammersee. Anz. orn. Ges.
Bayern 24: 91-92. (First successful breeding of Larus melanocephalus in Bayern 1982 on the Ammersee.)
Strehlow, J. (1987). Die Vogelwelt des Ammersee-Gebietes. 3. Ergänzungsberricht 1981-1985. Anz. orn. Ges. Bayern 26: 53-113.
Strehlow J (1997a) Ammersee-Gebiet 1966-1996. Teil I: Trend ausgewählter Brutvogelarten; Ornithologischer Anzeiger 36, 125-142.
Strehlow J (1997b) Die Vogelwelt des Ammersee-Gebietes 1996; Avifaunistischer Informationsdienst Bayern 4, 116-120.
Strehlow J (1998) Ammersee-Gebiet 1966-1996. Teil II: Trends ausgewählter Gastvögel; Ornithologischer Anzeiger 37, 19-45.
Strehlow J (1998b) Die Vogelwelt des Ammersee-Gebietes 1997; Avifaunistischer Informationsdienst Bayern 5, 37-45.
Strehlow J (2013) Ornithologischer Rundbrief für das Ammersee-Gebiet. Nr. 36 (2012), unveröff.

6.1.2 - Additional reports and documents

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

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

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

iv. relevant Article 3.2 reports <no file available>

v. site management plan

vi. other published literature

<no data available>

6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site:



"Ammersee south shore and Raistinger meadows" and the nature reserve nature reserve "Vogelfreistätte Ammersee Süd" (Daten aus dem Baye Fachinformationssystem Naturschutz (FIS-Natur)Geobasisdaten: © Bayer. Vermessungsverweitung 20

South of lake Ammersee with the Natura 2000 area



Vermessungsverwaltung, 2010, 04-06-2015)



Fachinformationssystem NaturyGeobasisdaten: © Bayer. Vermessungsverwaltung,2010, 03-06-2015)



Gebietsbetreuung Ammersee, 14-05-2019)



Downstream area dammed Downstream area dammed by a beaver in the Ampermoos, the large river valley fen north of Lake Ammer (*Christian Niederbichler* Niederbichier Gebietsbetreuu 12-05-2017) ung Ammersee



Designation letter <1 file(s) uploaded>

Date of Designation 1976-02-26