

Explanatory Notes from the Secretariat

1. In the RIS fields in this text version below, all ‘multiple-choice tick-box’ options are shown in tabular formats so that Contracting Parties can see the full contents of this RIS – 2012 revision.
2. However, following COP11 the Secretariat proposed that this tabular format will be changed in the preparation of the final MS Word text version of the RIS to having these ‘multiple-choice’ fields appear as ‘drop-down menus’ – i.e., in a format and structure similar to that already successfully used for the COP10 and COP11 National Report Formats.
3. Likewise, this drop-down menu structure will also be used in the planned ‘on-line submission’ option for the RIS – 2012 revision, with the additional functionality in the on-line tool that those fields required only when an update to an RIS is being made will appear only when the ‘Updated information on an existing Ramsar Site.’ option is ticked in RIS field 5.

Ramsar Site Information Sheet (RIS) – 2012 revision

NOTES TO COMPILERS

1. The RIS must be completed in one of the Convention’s three working languages, namely English, French, or Spanish. The RIS and the accompanying *Strategic Framework and guidelines for the future development of the List of Wetlands of International Importance of the Convention on Wetlands* are available in each of these three working languages. Please **read the guidance in the Strategic Framework before starting to complete the Ramsar Information Sheet**. It provides significant guidance on each section in the Information Sheet.
2. Once completed the RIS and map(s), should be officially submitted to the Ramsar Secretariat by the Administrative Authority of the Contracting Party concerned.
3. The information provided by Contracting Parties in the RIS, including any supplementary information, and held in the Ramsar Sites Database is also made publicly available through the Ramsar Site Information Service website (<http://ramsar.wetlands.org>).

4. **Important note on completion of RIS fields.** Please note that it is **not** expected that most Contracting Parties will be able to complete all fields for all Ramsar Sites. Data, information and capacity are all variable worldwide and develop through time. Compilers should consider the following principles:
 - a) **If no information exists relating to a specific field, please leave this field uncompleted** (or indicate ‘unknown’). After completing the RIS, an overall assessment of those issues that are lacking information should guide future priorities for research and survey at the site (for example, within the context of the site’s management plan).
 - b) **Recording some information – even if this is an incomplete or merely provisional assessment – is more useful than giving no information at all.** Provisional assessments of knowledge are useful and can be expanded in subsequent updates of the RIS, so Parties are urged to complete as much of the form as possible.
 - c) Please focus on the following sections as priorities for completion (to the extent that available information allows): Part 1 (fields 1-11), Part 2 (field 12) and the ecological character statement in field 13 of Part 3. Part 4 (fields 28-35) contains important information on site management and should be completed if possible.
5. Examples of completed RISs in this 2012 revision format are available at <http://ris-2012.wikispaces.com>¹, and it is strongly advised that these are reviewed before compiling this form.
6. Fields back-shaded in light blue relate to data and information required **only** for RIS updates.
7. In order to assist Contracting Parties when they are preparing an RIS update for a designated Ramsar Site, for each of the fields in the 2012 revision format, a cross-reference is provided to the equivalent field in the RIS 2009-2012 version.
8. 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

Formatte

¹ {web-link will be replaced by link to relevant page on Ramsar’s website in due course}

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.

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<i>For Secretariat use only:</i>	Ramsar Site no.	Date of designation by Contracting Party	Date of update by Contracting Party (<i>RIS updates only</i>)
	XXXX	DD/MM/YYYY	DD/MM/YYYY

	Explanatory notes and cross-references to further guidance
Part 0. Summary paragraph	
0. Summary description of the Ramsar Site Please provide a short paragraph summarising the location and key ecological characteristics of the site. This should give a concise summary of the site. <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <u>Name of Ramsar Site:</u> <u>Location:</u> <u>Key ecological characteristics:</u> </div>	Text length should be between 100-300 words For further guidance see section 7.1.3 of the <i>Strategic Framework</i> . Field #12 from RIS 2009-2012 version
<u>Please provide at least one photograph of the Ramsar Site. Photograph provided? <input type="checkbox"/></u>	
Part 1. Administrative and locational details	
Part 1.1 About this form	
1. Name and address (both postal and e-mail) of those responsible for compiling this form <div style="text-align: center;"> <u>Name and address:</u> </div>	For further guidance see section 7.2.1 of the <i>Strategic Framework</i> .

		Explanatory notes and cross-references to further guidance
a) Compiler of the RIS form	Name:	Fields #1 and #32 from RIS 2009-2012 version)
	Institution/agency:	
	Postal address:	
	E-mail:	
	Telephone:	
	Fax:	
b) National Administrative Authority for the Ramsar Convention	Name:	
	Institution/agency:	
	Postal address:	
	E-mail:	
	Fax:	
	Telephone:	
	Website (if appropriate):	

		Explanatory notes and cross-references to further guidance					
2. Period of collection of data and information used to compile the sheet		For further guidance see section 7.2.2 of the <i>Strategic Framework</i> . Fields #2 from RIS 2009-2012 version, with content clarification					
<div style="text-align: center;"> Period of data & information collection </div> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="width: 50%;">From Year x:</th> <th style="width: 50%;">To Year y:</th> </tr> </thead> <tbody> <tr> <td>a) Period when the data and information for the sheet for a newly designated site was compiled</td> <td></td> </tr> <tr> <td>b) Period when the data and information for revision of an existing sheet was updated [for updated RIS only]</td> <td></td> </tr> </tbody> </table>			From Year x:	To Year y:	a) Period when the data and information for the sheet for a newly designated site was compiled		b) Period when the data and information for revision of an existing sheet was updated [for updated RIS only]
From Year x:	To Year y:						
a) Period when the data and information for the sheet for a newly designated site was compiled							
b) Period when the data and information for revision of an existing sheet was updated [for updated RIS only]							

	Explanatory notes and cross-references to further guidance
<p>5. Designation of new Ramsar Site or update of information related to an existing Site</p> <p>This RIS is for (tick one box only):</p> <p>a) Designation of a new Ramsar Site; or <input type="checkbox"/></p> <p>b) Updated information on an existing Ramsar Site. <input type="checkbox"/></p>	<p>For further guidance see section 7.2.5 of the <i>Strategic Framework</i>.</p> <p>Field #5 from RIS 2009-2012 version</p>
<p>6. Changes to the site since its designation or earlier update. (FOR RIS UPDATES ONLY)</p> <p>6a) Site boundary and area</p> <p>Please indicate all relevant categories that apply to the Site.</p> <p>A. Changes to Site <i>boundary</i> (tick one box only):</p> <p>i. No change to boundaries; or <input type="checkbox"/></p> <p>ii. the boundary has been delineated more accurately; or <input type="checkbox"/></p> <p>iii. the boundary has been extended; or <input type="checkbox"/></p> <p>iv. the boundary has been restricted (<i>see Important Note below</i>) <input type="checkbox"/></p> <p>B. Changes to Site <i>area</i> (tick one box only):</p> <p>i. No change to area; or <input type="checkbox"/></p> <p>ii. the area has increased; or <input type="checkbox"/></p> <p>iii. the area has decreased <input type="checkbox"/></p> <p>C. If the Site <i>area</i> has changed, what are the reason(s)? (complete <i>only</i> if B ii. or B.iii. above has</p>	<p>For further guidance see section 7.2.6 of the <i>Strategic Framework</i>.</p> <p>Field #6a from RIS 2009-2012 version</p>

	Explanatory notes and cross-references to further guidance
<p>been ticked) :</p> <p>i. the Site area has been calculated more accurately; and/or <input type="checkbox"/></p> <p>ii. the Site has been delineated more accurately; and/or <input type="checkbox"/></p> <p>iii. the Site area has increased because of a boundary extension; or <input type="checkbox"/></p> <p>iv. the Site area has decreased because of a boundary restriction (<i>see Important Note below</i>) <input type="checkbox"/></p> <p>*** Important note: If the boundary of the designated site is being restricted/reduced, before submitting this updated RIS to the Secretariat the Contracting Party should have followed:</p> <ul style="list-style-type: none"> the requirements in Article 2.5 of the Convention; or the procedures established by the Conference of the Parties in the annex to Resolution VIII.20 (2002); or where appropriate instead, the procedures in the annex to Resolution IX.6 (2005). <p>Contracting Parties should also have provided to the Secretariat a report on changes prior to the submission of an updated RIS.</p>	

<p>6b) Has the ecological character of the Ramsar Site (including applicable Criteria) changed since the previous RIS?</p> <p><u>6b) i</u></p> <p><u>Not evaluated</u> <input type="checkbox"/></p> <p>No <input type="checkbox"/></p> <p><u>Uncertain</u> <input type="checkbox"/></p> <p><u>Yes (likely)</u> <input type="checkbox"/></p> <p><u>Yes (actual)</u> <input type="checkbox"/></p> <p>If Yes, are the changes: Positive <input type="checkbox"/> or Negative <input type="checkbox"/> or <u>Positive & Negative</u> <input type="checkbox"/></p>		<p>For further guidance see section 7.2.6 of the Strategic Framework, especially paragraph 287.</p> <p>Field #6b from RIS 2009-2012 version, expanded</p>
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<p>Yes <input type="checkbox"/></p>	<p><u>If Yes and information is available, what extent (% total area) of the Ramsar site is affected:</u></p> <p><u>If Yes, are the changes:</u></p> <p>If Yes (<u>actual</u>), are changes the result of (tick each category which applies):</p> <p>Changes resulting from causes operating within the existing boundaries? <input type="checkbox"/></p> <p>Changes resulting from causes operating beyond the site's boundaries? <input type="checkbox"/></p> <p>Changes resulting from causes operating both inside and outside the site's boundaries? <input type="checkbox"/></p> <p>Changes consequent upon site boundary reduction alone (e.g., the exclusion of some wetland types formerly included within the site)? <input type="checkbox"/></p> <p>Changes consequent upon site boundary increase alone (e.g., the inclusion of different wetland types in the site)? <input type="checkbox"/></p>	<p>Positive <input type="checkbox"/> % Negative <input type="checkbox"/> % Uncertain <input type="checkbox"/></p> <p>Positive <input type="checkbox"/> or Negative <input type="checkbox"/></p>	
<p>If <u>Yes</u> (<u>actual or likely</u>), please also complete field 6b) iie below to describe these changes</p>			
<p><u>6b) iie</u>) Changes to the ecological character of the Ramsar Site</p> <p>⌕ Please describe any changes to the ecological character of the Ramsar Site, including in the application of the Criteria, since the previous RIS for the site.</p> <div style="border: 1px solid black; height: 60px; margin: 10px 0;"></div> <p><u>6b iii. If Yes, to 6b) i, is the change in ecological character, negative, human-induced AND a significant change (above/below the limit of acceptable change)</u> <u>YES</u> <input type="checkbox"/> <u>NO</u> <input type="checkbox"/></p>			

Field #6b from RIS 2009-2012 version

ii) ~~— 6b iv. If Yes to 6b iii) If the change of ecological character is negative and human-induced~~, has an Article 3.2 report been submitted to the Secretariat?

YES ☐

NO ☐

Part 1.2 About the site's location

7. Defining the site

The provision of a map with clearly defined boundaries is required for Ramsar Site listing. This question is about the format of the map provided.

A map of the site, with clearly delineated boundaries, is provided in **both** the following formats:

- i) a map in electronic format (e.g., a JPEG or ArcView image): ☐
- ii) a GIS shape file providing geo-referenced site boundary (preferably **World Geodetic System 1984**) and attribute table [\(see Appendix C of the Strategic Framework for guidance\)](#): ☐

At the discretion of the Contracting Party, it would be helpful if an additional written description of the boundary of the site (and any associated defining features such as boundary at the low or high watermark for coastal sites) can be provided here:

For further guidance see section 7.2.7 and especially Appendix C of the *Strategic Framework*.

Field #7 from RIS 2009-2012 version

8. Geographical coordinates

Provide the coordinates of the approximate centre of the site expressed in degrees, minutes, and seconds of latitude and longitude (e.g., in the format: 01°24'15"S 104°16'12"E or 010°30'15"N 084°51'28"W):

	Degrees (°)	Minutes (')	Seconds (")	N or S; E or W
Latitude				
Longitude				

If the site is composed of more than one separate area, also provide central coordinates for each of these sub-areas:

Sub-area name: [xxx]	Degrees (°)	Minutes (')	Seconds (")	N or S; E or W
-----------------------------	-------------	-------------	-------------	----------------

For further guidance see section 7.2.8 of the *Strategic Framework*.

Field #8 from RIS 2009-2012 version

Latitude				
Longitude				

<i>Sub-area name: [xxx]</i>	Degrees (°)	Minutes (')	Seconds (")	N or S; E or W
Latitude				
Longitude				

[Add further co-ordinates if more than two sub-areas](#)

9. General location

9a. Geographic location

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

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b) What is the nearest town or population centre?

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For further guidance see section 7.2.9 of the *Strategic Framework*.

Field #9 from RIS 2009-2012 version

9b. For wetlands on national boundaries only

a) Does the wetland itself extend into the territory of one or more other countries?

YES

☐

NO

☐

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

☐

if so, answer c)

☐

c) Is the site part of a joint transboundary designation with another Contracting Party?

☐

if so, answer d)

☐

d) Transboundary Ramsar Site name if this is different from those given in field 4 above:

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For further guidance see section 5.12 of the *Strategic Framework*.

10. Area of Ramsar SiteArea, in hectares
(ha):
For further guidance see
section 7.2.10 of the
Strategic Framework.Field #11 from RIS 2009-
2012 version**11. Biogeography**

Name the relevant biogeographic region(s) that include the Ramsar Site, and identify the biogeographic regionalisation system that has been applied when Criteria 1 and/or 3 and/or certain applications of Criterion 2 are used for the designation:

For further guidance see
sections 5.3 and 7.2.11 of
the *Strategic Framework*.Field #15 from RIS 2009-
2012 version

Name of biogeographic regionalisation scheme used to select Ramsar Site	Tick which regionalisation scheme(s) used	Name of biogeographic region containing Ramsar Site
Marine/coastal sites		
Marine Ecoregions of the World (MEOW)	<input type="checkbox"/>	
Terrestrial sites		
Udvardy's Biogeographical Provinces	<input type="checkbox"/>	
Bailey's Ecoregions	<input type="checkbox"/>	
WWF Terrestrial Ecoregions	<input type="checkbox"/>	
EU's biogeographic regionalisation	<input type="checkbox"/>	
Other biogeographic regionalisation scheme (including <i>Freshwater Ecoregions of the World</i> - FEOW) (include reference citation for any other schemes used)	<input type="checkbox"/>	

Part 2. Why is this site internationally important? (Criteria for designation)

12. Ramsar Criteria and their justification

Tick the box against each Criterion applied to the designation of the Ramsar Site. All Criteria which apply should be ticked.

PLEASE NOTE that this section gives an overall summary of which Criteria apply to the site. After completing the first part, please add further information concerning specific plant species (12a), plant communities (12b), animal species (12c) and animal communities (12d), as appropriate, to provide further details on the detailed reasons why each of the Criteria is fulfilled.

Criterion	Abbreviated description	Justification for use of Criterion:																				
1	Representative, rare or unique natural or near natural wetland types	<input type="checkbox"/> Please give names of those wetland types which are the basis for the site meeting Criterion 1 and indicate whether they are representative, rare or unique: <table border="1"> <thead> <tr> <th>Wetland type</th> <th>Representative?</th> <th>Rare?</th> <th>Unique?</th> </tr> </thead> <tbody> <tr> <td></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>(Add more rows as necessary)</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>	Wetland type	Representative?	Rare?	Unique?		<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"/>	(Add more rows as necessary)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wetland type	Representative?	Rare?	Unique?																			
	<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"/>																			
(Add more rows as necessary)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																			

Justification:

Please provide justification in the context of the Objectives (Section 3.2) of the *Strategic Framework*

Refer to section 6.1 of the *Strategic Framework* for further information about Criteria and their justification.

Refer to Appendix B of the *Strategic Framework* for the Ramsar ~~Classification~~[Classification](#) System for Wetland Type

Field #14 from RIS 2009-2012 version

Hydrological services

In the context of Objective 1.2 of the *Strategic Framework*, as relevant, please provide a short text summarising the importance of the wetland in providing hydrological ecosystem services (i.e., the benefits to people), derived from information in Part 3.3 below.

Other ecosystem services

In the context of Objective 1.2 of the *Strategic Framework*, as relevant, please provide a short text summarising the importance of the wetland in ecosystem services (i.e., the benefits to people) other than hydrological services, derived from information in Part 3.3 below.

2	Rare species and threatened ecological communities	<input type="checkbox"/>	Please give details in fields 12a – plant species, 12b – plant communities, 12c – animal species and 12d – animal communities
3	Biological diversity	<input type="checkbox"/>	Please give details in fields 12a - plant species and/or 12c – animal species
4	Critical stage of life cycles	<input type="checkbox"/>	Please give details in fields 12a - plant species and/or 12c – animal species
5	>20,000 waterbirds	<input type="checkbox"/>	Please give details of relevant bird species in field 12c and information on total numbers and data period below:
Overall waterbird numbers:			
Period data relates to:			
Start year:		End year:	
Source of data:			
6	>1% waterbird	<input type="checkbox"/>	Please give details of relevant bird species in field 12c

	population		
7	Fish	<input type="checkbox"/>	Please give details of relevant fish species in field 12c
8	Fish spawning grounds, etc.	<input type="checkbox"/>	<div style="display: flex;"> <div style="flex: 1;">Please give details here:</div> <div style="flex: 2; border: 1px solid black; height: 40px; margin-top: 5px;"></div> </div> <div style="text-align: center; margin-top: 5px;">(Add more rows as necessary)</div>
9	>1% non-avian population	<input type="checkbox"/>	Please give details of relevant non-avian animals in section 12c

12a. Plant species whose presence relates to the international importance of the site

Species name		Species qualifies under Criterion:			IUCN Red List status (CR , EN or VU only)	CITES Appendix listed?	Other status e.g. National Red List (please name)	Justification (including e.g. position in range / endemism / other including national threat categorisations; see <i>Strategic Framework</i> for guidance)
scientific name	common name	2	3	4				
		<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"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		

[add more rows as necessary]

Optional text box to provide further information on plant species of international importance:

For further guidance see section 7.3.5 of the *Strategic Framework*.

Fields #14 and #21 from RIS 2009-2012 version

12b. Plant communities whose presence relates to the international importance of the site

For further guidance see section 7.3.4 of the *Strategic Framework*.

Name of plant community	Community qualifies under Criterion 2?	Description	Justification: (including biogeographic context; see <i>Strategic Framework</i> . National and local significance can also be noted).
	<input type="checkbox"/>		
	<input type="checkbox"/>		
	<input type="checkbox"/>		

[add more rows as necessary]

Field #14 from RIS 2009-2012 version

12c. Animal species whose presence relates to the international importance of the site

Phylum (e.g., mammal, bird, reptile, amphibian, fish, invertebrate)	Species name		Species qualifies under Criterion:						Pop' n size in site	Year of pop'n estimate	% occurrence (biogeographic population) in site	IUCN Red List status (CR, EN or VU only)	CITES Appendix listed?	Other status e.g. National Red List (please name)	Justification : (including position in range / endemism / other; see Strategic Framework)
	scientific name	common name	2	3	4	6	7	9							
			<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"/>	<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"/>	<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"/>					<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"/>	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>		

[add more rows as necessary]

Optional text box to provide further information on animal species of international importance:

For further guidance see section 7.3.7 of the Strategic Framework.

Fields #14 and #22 from RIS 2009-2012 version

12d. Animal communities whose presence relates to the international importance of the site

Name of animal community	Qualifies under criterion?	Description

Field #14 from RIS 2009-2012 version

For further guidance see section 7.3.6 of the Strategic Framework

	2	5	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	

[add more rows as necessary]

Framework.

Part 3. What is the site like? (Ecological character description)

13. What are the critical ecological components, processes and services that determine the ecological character of this Ramsar Site?

Please describe which of the ecological components described in Part 3.1 below, together with the ecological processes described in Part 3.3 below, are critical to determining the ecological character of this Ramsar Site. Please also describe natural variability in the ecological character of the site (either seasonally, or longer-term if known), and any known past and current trends in ecological character in part, or all, of the site.

Please see section 7.3.1 of the *Strategic Framework* for further information on completing this section and <http://ris-2012.wikispaces.com> for worked examples.

Part 3.1 Ecological components

14. Climate

Please indicate the prevailing climate type, using the widely adopted Köppen-Gieger Climate Classification System as appropriate: http://en.wikipedia.org/wiki/K%C3%B6ppen_climate_classification.

Please tick all climatic categories that apply to the site:

For further guidance see section 7.3.2 of the *Strategic Framework*.

Field #16 from RIS 2009-2012 version; and 2008 Ecological Character Description

Climatic region		Subregion	Description of region		Sheet (#2.2)
A Tropical humid climate	Af	Tropical wet	No dry season	<input type="checkbox"/>	
	Am	Tropical monsoonal	Short dry season; heavy monsoonal rains in other months	<input type="checkbox"/>	
	Aw	Tropical savanna	Winter dry season	<input type="checkbox"/>	
B Dry climate	BWh	Subtropical desert	Low-latitude desert	<input type="checkbox"/>	
	BSh	Subtropical steppe	Low-latitude dry	<input type="checkbox"/>	
	BWk	Mid-latitude desert	Mid-latitude desert	<input type="checkbox"/>	
	BSk	Mid-latitude steppe	Mid-latitude dry	<input type="checkbox"/>	
C Moist Mid-Latitude climate with mild winters	Csa	Mediterranean	Mild with dry, hot summer	<input type="checkbox"/>	
	Csb	Mediterranean	Mild with dry, warm summer	<input type="checkbox"/>	
	Cfa	Humid subtropical	Mild with no dry season, hot summer	<input type="checkbox"/>	
	Cwa	Humid subtropical	Mild with dry winter, hot summer	<input type="checkbox"/>	
	Cfb	Marine west coast	Mild with no dry season, warm summer	<input type="checkbox"/>	
	Cfc	Marine west coast	Mild with no dry season, cool summer	<input type="checkbox"/>	
D Moist Mid-Latitude climate with cold winters	Dfa	Humid continental	Humid with severe winter, no dry season, hot summer	<input type="checkbox"/>	
	Dfb	Humid continental	Humid with severe winter, no dry season, warm summer	<input type="checkbox"/>	
	Dwa	Humid continental	Humid with severe, dry winter, hot summer	<input type="checkbox"/>	
	Dwb	Humid continental	Humid with severe, dry winter, warm summer	<input type="checkbox"/>	
	Dfc	Subarctic	Severe winter, no dry season, cool summer	<input type="checkbox"/>	

	Dfd	Subarctic	Severe, very cold winter, no dry season, cool summer	<input type="checkbox"/>
	Dwc	Subarctic	Severe, dry winter, cool summer	<input type="checkbox"/>
	Dwd	Subarctic	Severe, very cold and dry winter, cool summer	<input type="checkbox"/>
E Polar climate with extremely cold winters and summers	ET	Tundra	Polar tundra, no true summer	<input type="checkbox"/>
	EF	Ice Cap	Perennial ice	<input type="checkbox"/>
H Highland				<input type="checkbox"/>

If changing climatic conditions are affecting the site, please indicate the nature of these changes:

15. Geomorphic setting

a) Elevation above sea level (in metres)

Minimum:	Maximum:
----------	----------

b) Position in landscape/river basin

(Please tick all that apply):

- 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 ☐
- Other ☐

If 'Other', give type of river basin:

Name of river basin, as appropriate. (For wholly coastal/marine sites please give name of sea/ocean. If the site lies in a sub-basin, also provide the larger river basin name):

For further guidance see section 7.3.3 of the *Strategic Framework*.
Fields #10 (elevation) & #17 (position in landscape) from RIS 2009-2012 version

16. What wetland type(s) are in the site?

Please indicate:

- a) the presence of *all* the wetland types which occur on the site in column a);
- b) if possible, those wetlands which cover the greatest extent of the total area of the site ranked from 1 (greatest extent) to 4 (least extent) in column b); and
- c) if measurements are available, the area (in hectares) of each wetland type present, in column c).

For further guidance see section 5.2.1 of the *Strategic Framework*.

Field #19 from RIS 2009-2012 version.

This section should also adequately address 2008 Ecological Character Description Sheet #2.3 "Habitat types (including comments on particular rarity, etc.) and Ramsar wetland types"

Wetland types		Code and name of wetland type	Wetland type (local name national classification type if differing from Ramsar's classification)	a) Wetland types present ?	b) Ranking of extent of wetland types present (ranks 1 - 4)	c) Area (ha) of wetland type (if known)
Marine or coastal wetlands						
Saline water	Permanent		A: Permanent shallow marine waters	<input type="checkbox"/>		
		Underwater vegetation	B: Marine subtidal aquatic beds	<input type="checkbox"/>		
		Coral reefs	C: Coral reefs	<input type="checkbox"/>		
	Shores	Rocky	D: Rocky marine shores	<input type="checkbox"/>		
		Sand, shingle or pebble	E: Sand, shingle or pebble shores	<input type="checkbox"/>		
Saline or brackish water	Intertidal	Flats (mud, sand or salt)	G: Intertidal mud, sand or salt flats	<input type="checkbox"/>		
		Bivalve (shell-fish) reefs	Ga: Bivalve (shell-fish) reefs	<input type="checkbox"/>		

		Marshes	H: Intertidal marshes		<input type="checkbox"/>		
		Forested	I: Intertidal forested wetlands		<input type="checkbox"/>		
	Lagoons		J: Coastal brackish/saline lagoons		<input type="checkbox"/>		
	Estuarine waters		F: Estuarine waters		<input type="checkbox"/>		
Saline, brackish or fresh water	Subterranean		Zk(a): Karst and other subterranean hydrological systems		<input type="checkbox"/>		
Fresh water	Lagoons		K: Coastal freshwater lagoons		<input type="checkbox"/>		

Inland wetlands

Fresh water	Flowing water	Permanent	Rivers, streams, creeks	M: Permanent rivers/streams/ creeks		<input type="checkbox"/>		
			Deltas	L: Permanent inland deltas		<input type="checkbox"/>		
			Springs, oases	Y: Freshwater springs; oases		<input type="checkbox"/>		
		Seasonal/intermittent	Rivers, streams, creeks	N: Seasonal/intermittent/irregular rivers/streams/ creeks		<input type="checkbox"/>		
	Lakes and pools	Permanent	> or = 8 ha	O: Permanent freshwater lakes		<input type="checkbox"/>		
			< 8 ha	Tp: Permanent freshwater marshes/ pools		<input type="checkbox"/>		
		Seasonal/intermittent	> or = 8 ha	P: Seasonal/intermittent freshwater lakes		<input type="checkbox"/>		
			< 8 ha	Ts: Seasonal/intermittent freshwater marshes/ pools on		<input type="checkbox"/>		

				inorganic soils				
	Marshes on inorganic soils	Permanent	Herb-dominated	 Tp: Permanent freshwater marshes/ pools		<input type="checkbox"/>		
		Permanent/ seasonal/ intermittent	Shrub-dominated	 W: Shrub-dominated wetlands		<input type="checkbox"/>		
			Tree-dominated	 Xf: Freshwater, tree-dominated wetlands		<input type="checkbox"/>		
		Seasonal/ intermittent	Herb-dominated	 Ts: Seasonal/ intermittent freshwater marshes/ pools on inorganic soils		<input type="checkbox"/>		
	Marshes on peat soils	Permanent	Non-forested	 U: Non-forested peatlands		<input type="checkbox"/>		
			Forested	 Xp: Forested peatlands		<input type="checkbox"/>		
	Marshes on inorganic or peat soils	High altitude (montane)		 Va: Montane wetlands		<input type="checkbox"/>		
		Tundra		 Vt: Tundra wetlands		<input type="checkbox"/>		
Saline, brackish or alkaline water	Lakes	Permanent		 Q: Permanent saline/ brackish/ alkaline lakes		<input type="checkbox"/>		
		Seasonal/ intermittent		 R: Seasonal/ intermittent saline/ brackish/ alkaline lakes and flats		<input type="checkbox"/>		
	Marshes & pools	Permanent		 Sp: Permanent saline/ brackish/ alkaline marshes/ pools		<input type="checkbox"/>		
		Seasonal/ intermittent		 Ss: Seasonal/ intermittent saline/ brackish/ alkaline marshes/		<input type="checkbox"/>		

			pools				
Fresh, saline, brackish or alkaline water	Geothermal		Zg: Geothermal wetlands		<input type="checkbox"/>		
	Subterranean		Zk(b): Karst and other subterranean hydrological systems		<input type="checkbox"/>		
	Human-made wetlands						
Aquaculture ponds			1		<input type="checkbox"/>		
Ponds			2		<input type="checkbox"/>		
Irrigated land			3		<input type="checkbox"/>		
Seasonally flooded agricultural land			4		<input type="checkbox"/>		
Salt exploitation sites			5		<input type="checkbox"/>		
Water storage areas/Reservoirs			6		<input type="checkbox"/>		
Excavations			7		<input type="checkbox"/>		
Wastewater treatment areas			8		<input type="checkbox"/>		
Canals and drainage channels or ditches			9		<input type="checkbox"/>		
Man-made subterranean hydrological systems			Zk(c)		<input type="checkbox"/>		

What non-wetland habitats are within the site?

Other non-wetland habitats within the site (add text of each such habitat type as a separate row):		Area (ha) of non-wetland type, if known
[e.g., Human habitation]		
[e.g., Dryland forests]		

For further guidance see section 5.2.1 of the Strategic Framework.

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Habitat connectivity
[Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.]

Field #2.4 from 2008
Ecological Character
Description Sheet

17. Plant species

This section relates to **plant species** and their attributes. Provide additional information on particular species and why they are noteworthy, e.g., which species are unique, rare, endangered or biogeographically important, etc. *Do not include here taxonomic lists of species present – these may be supplied as supplementary information to the RIS.*

Plant species whose presence relates to the international importance of the site should be summarised in field 12a.

Fields #14 and #21 from
RIS 2009-2012 version

17a. Other noteworthy plant species

Species name		Position in range/ endemism/ other
scientific name	common name	

For further guidance see
section 7.3.5 of the
Strategic Framework.

[add more rows as necessary]

17b. Invasive alien plant species

Species name		Species actually or potentially influencing the ecological character of the site?			Changes at RIS update No change/ increase/ decrease/ unknown
scientific name	common name	Actually (major)	Actually (minor)	Potentially	

For further guidance see
section 7.3.5 of the
Strategic Framework.

		impacts)	impacts)		
		<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"/>	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>

[add more rows as necessary]

18. Animal species

This section relates to ***animal species*** and their attributes. Provide additional information on particular species and why they are noteworthy, e.g., which species are unique, rare, endangered or biogeographically important, etc., including count data. *Do not include here taxonomic lists of species present – these may be supplied as supplementary information to the RIS.*

Animal species whose presence relates to the international importance of the site should be summarised in field 12c.

18a. Other noteworthy animal species

Phylum (e.g. mammal, bird, reptile, amphibian, fish, invertebrate)	Species name		Pop'n size in site	Date of population estimate	% occurrence (biogeographic population)	Position in range / endemism / other
	scientific name	common name				

[add more rows as necessary]

18b. Invasive alien animal species

[add more rows as necessary]

species are indicated as actually or potentially influencing the ecological character of the site, then please also indicate Invasive Alien Species as a threat in RIS field 30.

Fields #14 and #22 from RIS 2009-2012 version

For further guidance see [section 7.3.7 of the Strategic Framework](#).

For further guidance see

<u>Phylum (e.g. mammal, bird, reptile, amphibian, fish, invertebrate)</u>	Species name		Species actually or potentially influencing the ecological character of the site?			<u>Changes at RIS update</u> <u>No change/ increase/ decrease/ unknown</u>
	scientific name	common name	<u>Actually (major impacts)</u>	<u>Actually (minor impacts)</u>	<u>Potentially</u>	
			<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"/>	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>

section 7.3.7 of the *Strategic Framework*. If species are indicated as actually or potentially influencing the ecological character of the site, then please also indicate Invasive Alien Species as a threat in RIS field 30.

19. Soil

Please tick categories that apply:

Soil type

Predominantly mineral

Predominantly organic

Mixed organic and mineral soils

No available information

☐☐☐☐

Changes at RIS update

No change/ increase/ decrease/ unknown

☐ / ☐ / ☐ / ☐

☐ / ☐ / ☐ / ☐

☐ / ☐ / ☐ / ☐

☐ / ☐ / ☐ / ☐

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

YES? ☐

NO? ☐

Optional text box to provide further information on soil

For further guidance see section 7.3.8 of the *Strategic Framework*.
Field #2.9 from 2008 from Ecological Character Description Sheet

20. Water regime

For further guidance see section 7.3.9 of the

Water sources, destination, permanence and stability of water regimes. Please tick all options that apply under each heading below:			Strategic Framework
Presence?		Changes at RIS update No change/ increase/ decrease/ unknown	Field #2.10 from 2008 Ecological Character Description Sheet
Water permanence			
Usually permanent water present; or	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>	
Usually seasonal, ephemeral or intermittent water present	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>	
Unknown	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>	
Source of water that maintains character of the site		Predominant water source?	
Water inputs from rainfall (is this the predominant water source?)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Water inputs from surface water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Water inputs from groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Marine water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Unknown	<input type="checkbox"/>		<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Water destination			
Feeds groundwater	<input type="checkbox"/>		<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
To downstream catchment	<input type="checkbox"/>		<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Marine	<input type="checkbox"/>		<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Unknown	<input type="checkbox"/>		<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Stability of water regime			
Water levels largely stable; or	<input type="checkbox"/>		<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Water levels fluctuating (including tidal)	<input type="checkbox"/>		<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Unknown	<input type="checkbox"/>		<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>

Other comments on the water regime and its determinants (if relevant). Please use this box to explain sites with complex hydrology:																
Connectivity of surface waters and of groundwater [Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.]		Field #2.11 from 2008 Ecological Character Description Sheet														
Stratification and mixing regime [Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.]		Field #2.12 from 2008 Ecological Character Description Sheet														
21. Sediment regime Please tick each category that apply: <table border="1" data-bbox="985 826 1753 1177"><thead><tr><th data-bbox="985 826 1149 866"><u>Presence?</u></th><th data-bbox="1149 826 1753 866"><u>Changes at RIS update</u></th></tr><tr><th data-bbox="985 866 1149 906"></th><th data-bbox="1149 866 1753 906"><u>No change / increase / decrease / unknown</u></th></tr></thead><tbody><tr><td data-bbox="985 906 1149 954">Significant erosion of sediments occurs on the site</td><td data-bbox="1149 906 1753 954"><input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/></td></tr><tr><td data-bbox="985 954 1149 1002">Significant accretion or deposition of sediments occurs on the site</td><td data-bbox="1149 954 1753 1002"><input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/></td></tr><tr><td data-bbox="985 1002 1149 1050">Significant transportation of sediments occurs on or through the site</td><td data-bbox="1149 1002 1753 1050"><input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/></td></tr><tr><td data-bbox="985 1050 1149 1098"><u>Sediment regime is highly variable, either seasonally or inter-annually</u></td><td data-bbox="1149 1050 1753 1098"><input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/></td></tr><tr><td data-bbox="985 1098 1149 1177">Sediment regime unknown</td><td data-bbox="1149 1098 1753 1177"><input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/></td></tr></tbody></table>		<u>Presence?</u>	<u>Changes at RIS update</u>		<u>No change / increase / decrease / unknown</u>	Significant erosion of sediments occurs on the site	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>	Significant accretion or deposition of sediments occurs on the site	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>	Significant transportation of sediments occurs on or through the site	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>	<u>Sediment regime is highly variable, either seasonally or inter-annually</u>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>	Sediment regime unknown	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>	For further guidance see section 7.3.10 of the <i>Strategic Framework</i> . Field #2.13 from 2008 Ecological Character Description Sheet
<u>Presence?</u>	<u>Changes at RIS update</u>															
	<u>No change / increase / decrease / unknown</u>															
Significant erosion of sediments occurs on the site	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>															
Significant accretion or deposition of sediments occurs on the site	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>															
Significant transportation of sediments occurs on or through the site	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>															
<u>Sediment regime is highly variable, either seasonally or inter-annually</u>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>															
Sediment regime unknown	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>															
<u>Optional text box to provide further information on sediment</u>																
Water turbidity and colour [Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.]		Field #2.14 from 2008 Ecological Character Description Sheet														

Light - reaching wetland [Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.]			Field #2.15 from 2008 Ecological Character Description Sheet																				
Water temperature [Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.]			Field #2.16 from 2008 Ecological Character Description Sheet																				
22. Water pH Please tick categories present as appropriate: <table border="0"><thead><tr><th></th><th><i>pH</i></th><th><u>Presence?</u></th><th><u>Changes at RIS update</u> <u>No change/ increase/ decrease/ unknown</u></th></tr></thead><tbody><tr><td>Acid</td><td><5.5</td><td><input type="checkbox"/></td><td><input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/></td></tr><tr><td>Circumneutral</td><td>5.5-7.4</td><td><input type="checkbox"/></td><td><input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/></td></tr><tr><td>Alkaline</td><td>>7.4</td><td><input type="checkbox"/></td><td><input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/></td></tr><tr><td>Unknown</td><td></td><td><input type="checkbox"/></td><td><input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/></td></tr></tbody></table>				<i>pH</i>	<u>Presence?</u>	<u>Changes at RIS update</u> <u>No change/ increase/ decrease/ unknown</u>	Acid	<5.5	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>	Circumneutral	5.5-7.4	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>	Alkaline	>7.4	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>	Unknown		<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>	For further guidance see section 7.3.11 of the <i>Strategic Framework</i> . Field #2.17 from 2008 Ecological Character Description Sheet
	<i>pH</i>	<u>Presence?</u>	<u>Changes at RIS update</u> <u>No change/ increase/ decrease/ unknown</u>																				
Acid	<5.5	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>																				
Circumneutral	5.5-7.4	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>																				
Alkaline	>7.4	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>																				
Unknown		<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>																				
<u>Optional text box to provide further information on pH</u>																							

23. Water salinity

Please tick categories present as appropriate:

	<i>Salinity</i>	<u>Presence?</u>	<u>Changes at RIS update</u> <u>No change/ increase/ decrease/ unknown</u>
Fresh	<0.5 g/l	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Mixohaline (brackish)/Mixosaline	0.5-30 g/l	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Euhaline/Eusaline	30-40 g/l	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Hyperhaline/Hypersaline	>40 g/l	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Unknown		<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>

Optional text box to provide further information on salinity

For further guidance see section 7.3.12 of the *Strategic Framework*.

Field #2.18 from 2008 Ecological Character Description Sheet

Dissolved gases in water

[Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.]

Field #2.19 from 2008 Ecological Character Description Sheet

24. Dissolved or suspended nutrients in water

Please tick categories present, as appropriate:

		<u>Presence?</u>	<u>Changes at RIS update</u> <u>No change/ increase/ decrease/ unknown</u>
Eutrophic	Nutrient-rich waters with high primary productivity	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Mesotrophic	Waters with medium levels of nutrients (between those of oligotrophic and eutrophic waters)	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Oligotrophic	Waters poor in nutrients and with low primary productivity	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>

For further guidance see section 7.3.13 of the *Strategic Framework*.

Field #2.20 from 2008 Ecological Character Description Sheet

Dystrophic	Applied to acidic lakes and ponds with peat-stained water. Rich in humic acids produced by peatland vegetation	<input type="checkbox"/>	<input type="text"/> / <input type="text"/> / <input type="text"/> / <input type="text"/>
Unknown		<input type="checkbox"/>	<input type="text"/> / <input type="text"/> / <input type="text"/> / <input type="text"/>
<u>Optional text box to provide further information on dissolved or suspended nutrients</u>		<div></div>	
Dissolved organic carbon [Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.]			Field #2.21 from 2008 Ecological Character Description Sheet
<div></div>			
Redox potential of water and sediments [Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.]			Field #2.22 from 2008 Ecological Character Description Sheet
<div></div>			
Water conductivity [Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.]			Field #2.23 from 2008 Ecological Character Description Sheet
<div></div>			
25. Physical features of the surrounding area from which influences may affect the Ramsar Site			For further guidance see section 7.3.14 of the <i>Strategic Framework</i> .
Please describe whether, and if so how, the landscape and ecological characteristics in the area surrounding the Ramsar Site differ from the site itself:			Reorganized from Field #17 from RIS 2009-2012 version.
Landscape and ecological characteristics of the surrounding area are: i) broadly similar to those of the Ramsar Site, or		<input type="checkbox"/>	
ii) significantly different to those of the Ramsar Site		<input type="checkbox"/>	
If the surrounding area differs from the Ramsar Site, please indicate how: (Please tick all categories that apply)			
Surrounding area has greater urbanisation or development		<input type="checkbox"/>	
Surrounding area has higher human population density		<input type="checkbox"/>	

Surrounding area has more intensive agricultural use <input type="checkbox"/>	
Surrounding area has significantly different land cover or habitat types <input type="checkbox"/>	
Surrounding area is different in other ways. Please describe how: <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	
Part 3.2 Ecological processes	
This section is not intended for completion as part of a standard RIS, but is included for completeness as part of the agreed format of a ‘full’ Ecological Character Description (ECD) outlined by Resolution X.15	
Primary production [Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.] <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	Field #3.1 from 2008 Ecological Character Description Sheet
Nutrient cycling [Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.] <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	Field #3.2 from 2008 Ecological Character Description Sheet
Carbon cycling [Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.] <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	Field #3.3 from 2008 Ecological Character Description Sheet
Animal reproductive productivity [Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.] <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	Field #3.4 from 2008 Ecological Character Description Sheet
Vegetational productivity, pollination, regeneration processes, succession, role of fire, etc. [Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.] <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	Field #3.5 from 2008 Ecological Character Description Sheet
Notable species interactions, including grazing, predation, competition, diseases and pathogens [Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.] <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	Field #3.6 from 2008 Ecological Character Description Sheet

Notable aspects concerning animal and plant dispersal [Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.]				Field #3.7 from 2008 Ecological Character Description Sheet
Notable aspects concerning migration [Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.]				Field #3.8 from 2008 Ecological Character Description Sheet
Pressures and trends concerning any of the above, and/or concerning ecosystem integrity [Ecological Character Description (2008) field not intended for completion as part of a standard RIS submission.]				Field #3.9 from 2008 Ecological Character Description Sheet
Part 3.3 Ecosystem services				
26. Ecosystem services/benefits Please indicate the presence or absence of all relevant ecosystem services/benefits currently provided by the site in column a). If it is possible to assess the relative importance of each ecosystem service provided by the site, this can be scored 0-3 in column b) as follows: 0 = not relevant for site 1 = present but low importance/extent or significance 2 = present, medium importance/extent or significance 3 = present, high importance/extent or significance				For further guidance see section 7.3.16 of the <i>Strategic Framework</i> . Fields from Section 4 of from 2008 Ecological Character Description Sheet Fields #18, #25, #29, #30 & #31 from RIS 2009-2012 version relate to aspects of this Part
Ecosystem service	Examples	a) Presence/ absence of service	b) if possible, score 0-3 for each service provided by the site	
Provisioning Services – products obtained from the ecosystem such as food, fuel and fresh water				
Food for humans	Sustenance for humans (e.g., fish, molluscs, grains)	<input type="checkbox"/>		
Fresh water	Drinking water for humans and/or livestock	<input type="checkbox"/>		
	Water for irrigated agriculture	<input type="checkbox"/>		

	Water for industry	<input type="checkbox"/>	
	Water for energy production (hydro-electricity)	<input type="checkbox"/>	
Wetland non-food products	Timber	<input type="checkbox"/>	
	Fuel wood/fibre	<input type="checkbox"/>	
	Peat	<input type="checkbox"/>	
	Livestock fodder	<input type="checkbox"/>	
	Reeds and fibre	<input type="checkbox"/>	
	Other	<input type="checkbox"/>	
Biochemical products	Extraction of material from biota	<input type="checkbox"/>	
Genetic materials	Medicinal products	<input type="checkbox"/>	
	Genes for tolerance to certain conditions (e.g., salinity)	<input type="checkbox"/>	
	Genes for resistance to plant pathogens	<input type="checkbox"/>	
	Ornamental species (live and dead)	<input type="checkbox"/>	
Regulating Services – benefits obtained from the regulation of ecosystem processes such as climate regulation, water regulation, and natural hazard regulation			
Maintenance of hydrological regimes	Groundwater recharge and discharge	<input type="checkbox"/>	
	Storage and delivery of water as part of water supply systems for agriculture and industry	<input type="checkbox"/>	
Erosion protection	Soil, sediment and nutrient retention	<input type="checkbox"/>	
Pollution control and detoxification	Water purification/waste treatment or dilution	<input type="checkbox"/>	
Climate regulation	Local climate regulation/buffering of change	<input type="checkbox"/>	
	Regulation of greenhouse gases, temperature, precipitation and other climatic processes	<input type="checkbox"/>	
Biological control of pests and disease	Support of predators of agricultural pests (e.g., birds feeding on locusts)	<input type="checkbox"/>	
Hazard reduction	Flood control, flood storage	<input type="checkbox"/>	
	Coastal shoreline and river bank stabilization and storm protection	<input type="checkbox"/>	
Cultural Services – the nonmaterial benefits people obtain from ecosystems such as through spiritual enrichment, cognitive development, reflection, recreation, and aesthetic experiences			

Recreation and tourism	Recreational hunting and fishing	<input type="checkbox"/>	
	Water sports and activities	<input type="checkbox"/>	
	Picnics, outings, touring	<input type="checkbox"/>	
	Nature observation and nature-based tourism	<input type="checkbox"/>	
Spiritual and inspirational	Inspiration	<input type="checkbox"/>	
	Cultural heritage (historical and archaeological)	<input type="checkbox"/>	
	Contemporary cultural significance, including for arts and creative inspiration, and including existence values	<input type="checkbox"/>	
	Spiritual and religious values	<input type="checkbox"/>	
	Aesthetic and “sense of place” values	<input type="checkbox"/>	
Scientific and educational	Educational activities and opportunities	<input type="checkbox"/>	
	Important knowledge systems, importance for research (scientific reference area or site)	<input type="checkbox"/>	
	Long-term monitoring site	<input type="checkbox"/>	
	Major scientific study site	<input type="checkbox"/>	
	“Type location” for a taxon	<input type="checkbox"/>	
Supporting Services – services necessary for the production of all other ecosystem services such as water cycling, nutrient cycling and habitat for biota. These services will generally have an indirect benefit to humans or a direct benefit over a long period of time.			
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	<input type="checkbox"/>	
Soil formation	Sediment retention	<input type="checkbox"/>	
	Accumulation of organic matter	<input type="checkbox"/>	
Nutrient cycling	Storage, recycling, processing and acquisition of nutrients	<input type="checkbox"/>	
	Carbon storage/sequestration	<input type="checkbox"/>	
Pollination	Support for pollinators	<input type="checkbox"/>	

Other ecosystem service(s) not included above:

Please ‘guestimate’ the approximate number of people who directly benefit from the ecological

Within the site:

Outside the site:

[services provided by this site \(in orders of magnitude: 10s, 100s, 1000s, 10 000s etc.\)](#)

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

YES	NO	UNKNOWN
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[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 \(e.g. web-site links, or citation of published literature\):](#)

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27. Social or cultural values

Is the site considered internationally important for holding, in addition to relevant ecological values, examples of significant cultural values, whether material or non-material, linked to its origin, conservation and/or ecological functioning? If so, please describe this importance under one or more of the following categories:

For further guidance see section 7.3.17 of the *Strategic Framework*.
Field #23 from RIS 2009-2012 version

Type of social or cultural importance	Applicable?	Description if applicable
i) sites which provide 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	<input type="checkbox"/>	
ii) sites which have exceptional cultural traditions or records of former civilizations that have influenced the ecological character of the wetland	<input type="checkbox"/>	
iii) sites where the ecological character of the wetland depends on the interaction with local communities or indigenous peoples	<input type="checkbox"/>	
iv) sites where 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	<input type="checkbox"/>	

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Part 4. How is the site managed? (Conservation and management)

Part 4.1 Land tenure and responsibilities ('Managers')

28. Land tenure/ownership

Please indicate all relevant categories that apply to the site:

	Within the Ramsar Site	In the surrounding area
Public ownership		
Public land (unspecified)	<input type="checkbox"/>	<input type="checkbox"/>
National/Federal government	<input type="checkbox"/>	<input type="checkbox"/>
Provincial/region/state government	<input type="checkbox"/>	<input type="checkbox"/>
Local authority, municipality, (sub)district, etc.	<input type="checkbox"/>	<input type="checkbox"/>
Other public ownership	<input type="checkbox"/>	<input type="checkbox"/>
Private ownership		
Cooperative/collective (e.g., farmers cooperative)	<input type="checkbox"/>	<input type="checkbox"/>
Commercial (company)	<input type="checkbox"/>	<input type="checkbox"/>
Foundation/non-governmental organization/trust	<input type="checkbox"/>	<input type="checkbox"/>
Religious body/organization	<input type="checkbox"/>	<input type="checkbox"/>
Other types of private/individual owner(s)	<input type="checkbox"/>	<input type="checkbox"/>
Other		
Unspecified mixed ownership	<input type="checkbox"/>	<input type="checkbox"/>
No information available	<input type="checkbox"/>	<input type="checkbox"/>
Rights of use		
Commoners/customary rights	<input type="checkbox"/>	<input type="checkbox"/>

For further guidance see section 7.4.1 of the *Strategic Framework*.

Field #24 from RIS 2009-2012 version

Optional text box to explain complex land tenure/
ownerships:

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29. Management authority

Name and address of the local office(s) of the agency(ies)
or organization(s) that have functional ~~responsible~~
responsibility for oversight of the site's management:

Title and/or name of the person or persons in this office
with responsibility for the wetland:

Postal address:

E-mail address:

For further guidance see
section 7.4.2 of the
Strategic Framework.

Field #33 from RIS 2009-
2012 version

Part 4.2 Ecological character threats and responses ('Management')

30. Factors (actual or likely) adversely affecting the site's ecological character, including changes in land and water use and development projects

For further guidance
see section 7.4.3 and
Appendix F of the
Strategic Framework.

Field #26 from RIS
2009-2012 version

Factors adversely affecting the site's ecological character:	Is the threat:		Within the Ramsar Site	Changes at RIS update No change/ increase/ decrease/ unknown	In the surrounding area	Changes at RIS update No change/ increase/ decrease/ unknown
	actual (happening) <u>(Indicate high, medium or low impact on ecological character)</u>	potential (likely) <u>(Indicate high, medium or low impact on ecological character)</u>				
Human settlements						

(non agricultural)							
	Housing and urban areas	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Commercial and industrial areas	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Tourism and recreation areas	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Unspecified development	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
<u>Water regulation</u>							
	<u>Drainage</u>	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	<u>Water abstraction</u>	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	<u>Dredging</u>	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	<u>Salinisation</u>	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	<u>Water releases</u>	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	<u>Canalisation and river regulation</u>	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Agriculture & aquaculture							
	Annual and perennial non-timber crops	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Wood and pulp plantations	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Livestock farming and ranching	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Marine and freshwater aquaculture	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Non specified	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Energy production and mining							
	Oil and gas drilling	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Mining and quarrying	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>

	Renewable energy	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Unspecified	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Transportation and service corridors							
	Roads and railroads	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Utility and service lines (e.g., pipelines)	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Shipping lanes	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Aircraft flight paths	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Unspecified	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Biological resource use							
	Hunting and collecting terrestrial animals	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Gathering terrestrial plants	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Logging and wood harvesting	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Fishing and harvesting aquatic resources	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Unspecified	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Human intrusions & disturbance							
	Recreational and tourism activities	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	(Para)military activities	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Unspecified/others	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Natural system modifications							
	Fire and fire suppression	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>

	Dams and water management/use	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	<u>Vegetation clearance/ land conversion</u>	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Unspecified/others	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Invasive and other problematic species and genes							
	Invasive non-native/ alien species	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Problematic native species	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Introduced genetic material	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Unspecified	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Pollution							
	Household sewage, urban waste water	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Industrial and military effluents	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Agricultural and forestry effluents	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Garbage and solid waste	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Air-borne pollutants	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Excess heat, sound, light	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Unspecified	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Geological events							
	Volcanoes	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Earthquakes/tsunamis	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Avalanches/landslides	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>

	Unspecified	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Climate change & severe weather							
	Habitat shifting and alteration	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Droughts	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Temperature extremes	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Storms and flooding	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
	Unspecified	<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
Other (please name):		<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
No threats		<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>
No information available		<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"/> / <input type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>

Optional text box to explain complex threats:

Further information on the definition of the above categories to be provided as part of the implementation of this version of the Information Sheet.

31. Conservation measures taken

31a) Legal status: list national and/or international category and legal status of protected areas, including boundary relationships with the Ramsar Site:

For further guidance see section 7.4.4 of the Strategic Framework.
Field #27a from RIS 2009-2012 version

	Name of area	Give URL for source of online information on designation, if possible	Area wholly overlapping with Ramsar Site?	Area partly overlapping with Ramsar Site?
Global international legal and other formal designations (please add further rows and categories as necessary)				
World Heritage site	<u>{name of World Heritage site}</u>		<input type="checkbox"/>	<input type="checkbox"/>
UNESCO Biosphere Reserve	<u>{name of Biosphere Reserve}</u>		<input type="checkbox"/>	<input type="checkbox"/>
<u>{Other global designation}</u>	<u>{name of site}</u>		<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
Regional international legal and other formal designations (please add further rows and categories as necessary)				
EU Natura 2000	<u>{name of Natura 2000 site}</u>		<input type="checkbox"/>	<input type="checkbox"/>
<u>{Other international designation}</u>	<u>{name of site}</u>		<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
National legal and other formal designations (please add further rows and categories as necessary)				
<u>{Nationally designated site}</u>	<u>{name of site}</u>		<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
Non-statutory designations (please add further rows and categories as necessary)				
Important Bird Area	<u>{name of Important Bird Area}</u>		<input type="checkbox"/>	<input type="checkbox"/>
<u>Important Plant Area</u>	<u>{name of Important Plant Area}</u>		<input type="checkbox"/>	<input type="checkbox"/>
<u>{Other non-statutory}</u>	<u>{name of site}</u>		<input type="checkbox"/>	<input type="checkbox"/>

<u>designation</u>			<input type="checkbox"/>	<input type="checkbox"/>
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31b) If known, list the **IUCN (2008) protected areas category/ies** which apply to the site (tick the box or boxes as appropriate):

Ia Strict Nature Reserve: protected area managed mainly for science	<input type="checkbox"/>
Ib Wilderness Area: protected area managed mainly for wilderness protection	<input type="checkbox"/>
II National Park: protected area managed mainly for ecosystem protection and recreation	<input type="checkbox"/>
III Natural Monument: protected area managed mainly for conservation of specific natural features	<input type="checkbox"/>
IV Habitat/Species Management Area: protected area managed mainly for conservation of particular species or habitats <u>through management intervention</u>	<input type="checkbox"/>
V Protected Landscape/Seascape: protected area managed mainly for landscape/seascape conservation and recreation	<input type="checkbox"/>
VI Managed Resource Protected Area: protected area managed mainly for the sustainable use of natural ecosystems	<input type="checkbox"/>

For further guidance see section 7.4.4 of the *Strategic Framework* or <http://data.iucn.org/dbtw-wpd/edocs/PAPS-016.pdf>.
Field #27b from RIS 2009-2012 version

31c) Key conservation (including restoration) measures being implemented at, or affecting, the site

	<u>Measure proposed</u>	<u>Measure partially implemented</u>	<u>Measure implemented</u>
<u>LEGAL PROTECTION</u>			
<u>Legal protection</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>HABITAT</u>			
<u>Catchment management initiatives/controls</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Improvement of water quality</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Other pollution control</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

For further guidance see section 7.4.47 of the *Strategic Framework*.

Habitat manipulation/enhancement☐☐☐Hydrology management/restoration☐☐☐Re-vegetation☐☐☐Soil management☐☐☐Land conversion controls☐☐☐Faunal corridors/passage☐☐☐**SPECIES**Threatened/rare species management programmes☐☐☐Other specific single species or species group management programmes☐☐☐Reintroductions☐☐☐Control of invasive alien plants☐☐☐Control of invasive alien animals☐☐☐**HUMAN ACTIVITIES**Management of water abstraction/takes☐☐☐Regulation/management of wastes☐☐☐Livestock management/exclusion (excluding fisheries)☐☐☐Fisheries management/regulation☐☐☐Harvest controls/poaching enforcement☐☐☐Regulation/management of recreational activities☐☐☐Communication, education, and participation and awareness activities☐☐☐Research☐☐☐Other (please specify)

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32. Management planning

Please indicate which of the following apply to the site. If more than one category applies to the site, please indicate all that are relevant.

Site-specific plan or management planning being implemented ☐

Site-specific plan or management planning exists but has not yet been implemented ☐

Site-specific plan or management planning in preparation ☐

Current site-specific plan or management planning subject to review and update ☐

No site-specific plan or management planning exists at present ☐

No information available ☐

Management plan/planning covers:

All of Ramsar Site; or ☐

Part of Ramsar Site ☐

Has a management effectiveness assessment (e.g., <http://www.wdpa.org/ME/tools.aspx>) been undertaken for the site? Yes ☐
No ☐

Please give link to site-specific plan or other relevant management planning if this is available via the Internet:

If the site is a formal transboundary site as indicated in RIS field 9b above, are there shared management planning processes with another Contracting Party? Yes ☐
No ☐

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

URL of site-related webpage (if relevant):

For further guidance see section 7.4.5 of the *Strategic Framework*.

Field #27c from RIS 2009-2012 version

33. Planning for restoration

For further guidance see

<p>Please indicate which of the following apply to the site:</p> <div><div><div>Site previously subject to restoration</div><div>Current restoration plan subject to review and update</div><div>Implementing approved site-specific restoration plan</div><div>Site-specific restoration plan exists but has not yet been implemented</div><div>Site-specific restoration plan or planning in preparation</div><div>No site-specific restoration plan exists at present</div><div>Not applicable/no need for restoration identified</div><div>No information available</div></div><div><div>Plan covers:</div><div>All of Ramsar Site; or</div><div>Part of Ramsar Site</div></div></div>		<p>section 7.4.6 of the Strategic Framework.</p> <p>New field</p>
<p><u>Where restoration is being undertaken in response to, or in mitigation of a threat identified in field no. 30 (e.g. through the creation of ecological flows in response to negative hydrological impacts), then please indicate the threat(s) which restoration is addressing:</u></p> <div></div>		
<p>34. Conservation measures proposed but not yet implemented (e.g., official proposal as a legally protected area, etc.)</p> <div></div>		<p>For further guidance see section 7.4.7 of the Strategic Framework.</p> <p>Field #28 from RIS 2009-2012 version</p>
<p><u>34. Monitoring implemented or proposed at the site</u></p> <div><div><div><u>Water regime monitoring</u></div><div>Implemented</div><div>Proposed</div></div><div><div></div><div></div></div></div>		<p>For further guidance see section 7.4.7 of the Strategic Framework.</p>

Water quality☐☐Soil quality☐☐Plant community☐☐Plant species☐☐Animal community☐☐Animal species (please specify)☐☐Birds☐☐[Add further aspects of monitoring as necessary]**35. Bibliographical references**For further guidance see
section 7.4.8 of the
Strategic Framework.Field #234 from RIS 2009-
2012 version***Part 5 Providing additional information relevant to this Ramsar Site*****Are any of the following available for this Ramsar Site?**

- i. taxonomic lists of plant and animal species occurring in the site (see RIS Fields 17 & 18)
- ii. a detailed Ecological Character Description (ECD) (in a national format)
- iii. a description of the site in a national or regional wetland inventory ~~entry or description~~
- iv. relevant Article 3.2 reports
- v. site management plan
- vi. other published literature

Yes☐☐☐☐☐☐**No**☐☐☐☐☐☐

If “Yes” to any of these, please provide the additional information to the Secretariat as separate electronic documents (giving file names) when this RIS is submitted.