### Color codes

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

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

### 1 - Summary

#### Summary

The Owabi Ramsar Site and Wildlife Sanctuary is located near Kumasi. The Site comprises associated reed beds and marshland, surrounded by secondary woodland and plantation areas. It protects the catchment area of one of the dams used for water supply to the Kumasi metropolis. Until the construction of the Barekese Dam in 1971, Owabi was the only source of water to Kumasi - Ghana's second-largest city. The site and its catchment area is 7260 ha and it surrounds a small lake, formed by the damming of the Owabi River in 1928. A plantation of an exotic species, Cassia siamea, covers about 10% of the area. The rest consists of secondary vegetation and small areas of riverine forest and aquatic vegetation. Two hundred species of vascular plants have been identified. These include 91 trees, 19 shrubs, 40 herbs, 14 grass, 1 parasite, 6 ferns, and 29 climber species.

The avifauna is relatively rich with indigenous birds and some migrants. 161 birds of 29 families have been recorded, 13 of which are listed in Appendix II of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES).

Though small, the Site is highly significant as it explicitly demonstrates the fundamental linkages between the conservation and preservation of vital ecological processes such as continuous water production and maintenance. The site is used for educational and recreational purposes.

# 2 - Data & location

#### 2.1 - Formal data

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

Responsible compiler

Institution/agency | Wildlife Division/Forestry Commission Ministries Post Office P. O. Box MB 239 Postal address Accra, Ghana

National Ramsar Administrative Authority

Institution/agency | Wildlife Division, Forestry Commission Ministries Post Office Postal address P. O. Box MB.239, Accra

#### 2.1.2 - Period of collection of data and information used to compile the RIS

From year 1988 To year 2023

#### 2.1.3 - Name of the Ramsar Site

Official name (in English, French or Owabi Wildlife Sanctuary Ramsar Site Spanish)

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

(Update) A. Changes to Site boundary Yes O No ● (Update) B. Changes to Site area No change to area  $^{
m (Update)}$  For secretariat only: This update is an extension  $\,\Box\,$ 

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

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

### 2.2 - Site location

### 2.2.1 - Defining the Site boundaries

b) Digital map/image

<3 file(s) uploaded>

Former maps 0

### Boundaries description

The Site boundary was delineated, surveyed, pillared and map out of an existing Wildlife protected area in fulfillment of Ghana's commitment to the ratification of the Ramsar Convention on Wetlands. The boundary line follows a catchment boundary and limits defined by natural features and adjoining land owned by other entities. These natural features consist of secondary woodland and plantation areas that protect and serve as a buffer to the Owabi dam. Owabi Wildlife Sanctuary/Ramsar Site covers an area of approximately 13km2; however, about only 7km2 (designated "inner Sanctuary/Ramsar Site" in this report) is under effective control.

#### 2.2.2 - General location

a) In which large administrative region does the site lie?	Ashanti Region
the site lie!	
b) What is the nearest town or population	Akropong Esaase
centre?	

#### 2.2.3 - For wetlands on national boundaries only

a) Does the wetland extend onto the territory of one or more other Yes O No 

Yes O No countries?

b) Is the site adjacent to another designated Ramsar Site on the Yes O No (9) territory of another Contracting Party?

### 2.2.4 - Area of the Site

Official area, in hectares (ha): 1310

Area, in hectares (ha) as calculated from GIS boundaries 1310.971

### 2.2.5 - Biogeography

Biogeographic regions

Regionalisation scheme(s)	Biogeographic region
Udvardy's Biogeographical Provinces	Afrotropical

# 3 - Why is the Site important?

### 3.1 - Ramsar Criteria and their justification

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

Owabi Wildlife Sanctuary protects a chunk of unique forested wetlands around the Owabi Reservoir .The Owabi Water Supply System is a three million gallon per day (3mgd) conventional treatment plant with a daily average production of 2.4mgd. The treatment plant is the main source of water supply to the northwestern part of the Kumasi metropolis. Areas like Kwadaso, Asuoyeboah, Abuakwa, Nkwawie, Akropong, Koforidua and surrounding communities source water from the Owabi Dam. Habitats include Hydrological services provided open water, rocky stream, marsh vegetation (grass, Typha reedbeds and Raphia swamps), semievergreen rain forest and secondary growth along the edges of the dam. The Site exhibits hydrological importance by playing a major role in the natural control and prevention of flooding in the area; watershed protection, water purification, important for seasonal water retention for wetland conservation, water production and supply, and also important for the recharge of local aguifer. The surrounding forests of the site also serve as safe haven for different birds and animal species.

Other ecosystem services provided

The wetland serves as a source of food (Fish, Bushmeat, Fruits, Snails) and herbs for medicines, Also supports pollinators and provides a suitable environment for recreation, tourism and aesthetics. Serves as habitat to migratory birds and support stages of their life cycle, maintenance of genetic diversity, micro-climate regulation and carbon sequestration.

#### ☑ Criterion 2 : Rare species and threatened ecological communities

information

Optional text box to provide further The wetland supports and provides habitat to the globally endangered species; Manis tricuspis

#### Criterion 3 : Biological diversity

The reservoir and the adjoining sanctuary support a rich biodiversity. In terms of species diversity, The Celtis zenkeri- Triplochiton scleroxylon forest (up to 40m high) consists of a mosaic of remnants of the former moist semi-deciduous forest north-west subtype and secondary regrowth. Dense clumps of bamboo are found on moist sites. The shrub layer is very patchy. The herb layer is dominated by broadleaved species and often covers up to 40%. The rest of the forest floor is covered by leaf litter. The Pterygota macrocarpa subcommunity, a more disturbed type of forest with fewer tree remnants and a denser bush layer, is confined to a small area south-east of the lake and harbours a variety of small to medium sized mammals, reptiles and birds. The wide variety of faunal species in the site include; Cercopithecus mona lowei, Cephalophus maxwelli, Tragelapgus scriptus, Civettictis civetta, Artilax paludinosus, Python sebae, Nettapus auritus, Butorides striata, Ardea cinerea, Phalacrocorax africanus, Porphirio porphyrio and the endangered Manis tricuspis etc. These are significant and representative of the biodiversity of the region.

Justification

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

Phylum	Scientific name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
Plantae								
TRACHEOPHYTA/ MAGNOLIOPSIDA	Celtis zenkeri		✓		LC			
TRACHEOPHYTA/ MAGNOLIOPSIDA	Pterygota macrocarpa	<b>✓</b>	✓		VU			
TRACHEOPHYTA/ MAGNOLIOPSIDA	Triplochiton scleroxylon		<b></b> ✓		LC			

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

Phylum	Scientific name	Species   Species   qualifies under   contributes   Criterion   criterion   2   4   6   9   3   5   7   8     Species   Size   Criterion   Criterion	%	IUCN	CITES	CMS Appendix I	Justification
Others							
CHORDATA/ MAMMALIA	mona			NT			
CHORDATA/ MAMMALIA	Civettictis civetta			LC			
CHORDATA/ MAMMALIA	Manis tricuspis			EN	$\checkmark$		
CHORDATA/ MAMMALIA	maxwellii			LC			
CHORDATA/ REPTILIA	Python sebae			NT			
Birds							
CHORDATA/ AVES	Ardea cinerea			LC			
CHORDATA/ AVES	Butorides striata			LC			
CHORDATA/ AVES	Microcarbo africanus			LC			

<sup>1)</sup> Percentage of the total biogeographic population at the site

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

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
Water birds and other Bird species		Relatively rich with indigenous birds and some migrants species.	161 birds consisting of 29 families have been recorded, 13 of which are listed in Appendix II of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)
Aquatic vegetation		Lemneto-Pistietum, Nymphaeetum loti, Ceratophyllum demersi and Polygonetum senegalense. Another community is dominated by fern(s): Cyclosorus dentatus/ striatus.	Of the aquatic plant communities, which are widespread and remarkably similar throughout tropical West Africa, these were found on the Owabi Lake, which are typical of the wetland environment.
Secondary moist semi- deciduous forest and Cassia plantation		A plantation of an exotic species, Cassia siamea, covers about 10% of the area. The rest consist of secondary vegetation and small areas of riverine forest and aquatic vegetation. The Ramsar Site encloses an artificial lake.	Two hundred species of vascular plants have been identified. These include 91 tree, 19 shrub, 40 herb, 14 grass, 1 parasite, 6 ferns, and 29 climber species.

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

### 4.1 - Ecological character

Habitats include: open water, rocky stream, marsh vegetation (grass, Typha reedbeds and Raphia swamps), semi-evergreen rain forest, secondary growth along the edges and the power-line which passes through the reserve. The accessible section of the forest has a low canopy with a clump of exotic bamboo Bambusa vulgaris and can be considered as seriously degraded or secondary. The under-storey is fairly open; Culcasia creepers are common around trunks and part of the forest floor near the lake is rather moist or even swampy. The forest on one side of the lake looks better developed and taller but presently inaccessible.

The understorey is fairly open; Culcasia creepers are common around trunks and part of the forest floor near the lake is rather moist or even swampy. Taller trees include Albizia zygia, Ceiba pentandra, Piptadeniastrum africanum, Terminalia superba; some exotic elements are present too, i.e. Cedrela odorata and Senna siamea. The forest on the other side of the lake is taller, with also Triplochiton scleroxylon. Narrow bands of up to 30m high riverine forest are found along the banks and of some of the seasonal streams in the reserve. At the far end of the lake there are clumps of exotic bamboo Bambusa vulgaris.

Four main plant communities have been distinguished: Secondary Celtis-Triplochiton forest, Cassia plantation, Riverine forest and Aquatic vegetation. Nearly 13% of the area is covered by the plantation of exotic Cassia siamea species (25-35m high) established in 1928 with scattered remnants of the original forest. Only small areas are covered by the riverine forest and aquatic vegetation.

The aquatic plant communities, which are widespread and remarkably similar throughout tropical West Africa, the following: Lemneto-Pistietum, Nymphaeetum loti, Ceratophyllum demersi and Polygonetum senegalense are present. Another community is dominated by fern(s): Cyclosorus dentatus/ striatus. There are about 161 kinds of birds found in Owabi Wildlife Sanctuary ranging from raucous pied, hornbill, purple heron, giant blue plantain eaters among others. Aquatic birds include jacanas, pygmy geese, squacco herons and occasionally, Goliath heron. There are varieties of butterflies, the reclusive bush pigs, bushbuck and antelopes, black and white Colombos and Mona monkeys.

The Site exhibits hydrological importance by playing a major role in the natural control and prevention of flooding in the area; watershed protection, water purification, important for seasonal water retention for wetland conservation, water production and supply, and also important for the recharge of local aquifer. The surrounding forests of the site also serve as safe haven for different birds and animal species. It also serves as a source of food (Fish, Bushmeat, Fruits, Snails) and herbs for medicines. Also supports pollinators and provides a suitable environment for recreation, tourism and aesthetics. Serves as habitat to migratory birds and support stages of their life cycle, maintenance of genetic diversity, micro-climate regulation and carbon sequestration.

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

#### Inland wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
Fresh water > Lakes and pools >> Tp: Permanent freshwater marshes/ pools		1		Unique

#### Human-made wetlands

Tullian made wellands			
Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type
6: Water storage areas/Reservoirs		2	

#### 4.3 - Biological components

### 4.3.1 - Plant species

### Other noteworthy plant species

Other noteworthy plant species		
Phylum	Scientific name	Position in range / endemism / other
TRACHEOPHYTA/MAGNOLIOPSIDA	Albizia zygia	
TRACHEOPHYTA/MAGNOLIOPSIDA	Alstonia boonei	
TRACHEOPHYTA/MAGNOLIOPSIDA	Cassia siamea	
TRACHEOPHYTA/LILIOPSIDA	Elaeis guineensis	
TRACHEOPHYTA/LILIOPSIDA	Pistia stratiotes	
TRACHEOPHYTA/MAGNOLIOPSIDA	Senna siamea	

#### Invasive alien plant species

	o anon plant opooloo			
	Phylum	Scientific name	Impacts	Changes at RIS update
TRAC	HEOPHYTA/LILIOPSIDA	Eichhornia crassipes	Actual (major impacts)	No change

#### 4.3.2 - Animal species

Other noteworthy animal species

Phylum	Scientific name	Pop. size	Period of pop. est.	% occurrence	Position in range /endemism/other
CHORDATA/AVES	Actophilornis africanus				
CHORDATA/AVES	Ardea purpurea				
CHORDATA/AVES	Dendrocygna viduata				
CHORDATA/AVES	Nettapus auritus				
CHORDATA/AVES	Bradypterus baboecala				
CHORDATA/AVES	Porphyrio porphyrio				

# 4.4 - Physical components

#### 4.4.1 - Climate

Climatic region	Subregion
A: Tropical humid climate	Aw: Tropical savanna (Winter dry season)

### 4.4.2 - Geomorphic setting

a)	Minimum	elevation	above	sea	level (in	
,						1220
						220
					metres	)

A 8.4	100	100		1. 1.75			
<ul><li>a) Maximum</li></ul>	elevation	above	sea	ievei (in	_		
,				metres)	⊥3	94	
				motrocl		· ·	
				111101105/			

		_
 	 nasir	- 1

Upper part of river basin  $\,\Box$ 

Middle part of river basin

Lower part of river basin

More than one river basin  $\Box$ 

Not in river basin

Coastal

## 4.4.3 - Soil

Mineral 🗹

(Update) Changes at RIS update No change 

● Increase O Decrease O Unknown O

No available information  $\Box$ 

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

### 4.4.4 - Water regime

#### Water permanence

Presence?	Changes at RIS update
Usually permanent water present	unknown

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

	Presence?	Predominant water source	Changes at RIS update
V	Vater inputs from surface water	<b>₽</b>	No change

# Water destination

Presence?	Changes at RIS update
Feeds groundwater	No change

#### Stability of water regime

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

### 4.4.5 - Sediment regime

Sediment regime unknown 🗹

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ш	In	kr	101	M	n	1

### 4.4.7 - Water salinity

						$\sim$
Fres	h i	( <n< td=""><td>1.5</td><td>a/l</td><td>)</td><td>×</td></n<>	1.5	a/l	)	×

(Update) Changes at RIS update No change 

● Increase O Decrease O Unknown O

Unknown

### 4.4.8 - Dissolved or suspended nutrients in water

Unknown 🗹

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

Please describe whether, and if so how, the landscape and ecological characteristics in the area surrounding the Ramsar Site differ from the i) broadly similar ○ ii) significantly different ⑤ site itself:

Surrounding area has greater urbanisation or development ☑

Surrounding area has higher human population density □

Surrounding area has significantly different land cover or habitat types

# 4.5 - Ecosystem services

### 4.5.1 - Ecosystem services/benefits

Provisioning Services

Ecosystem service	Examples	Importance/Extent/Significance
Food for humans	Sustenance for humans (e.g., fish, molluscs, grains)	Medium
Fresh water	Drinking water for humans and/or livestock	High

Surrounding area has more intensive agricultural use  $\qed$ 

## Regulating Services

Ecosystem service	Examples	Importance/Extent/Significance
Maintenance of hydrological regimes	Storage and delivery of water as part of water supply systems for agriculture and industry	High
Erosion protection	Soil, sediment and nutrient retention	Medium

#### Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Recreation and tourism	Picnics, outings, touring	Low
Scientific and educational	Important knowledge systems, importance for research (scientific reference area or site)	Medium
Scientific and educational	Educational activities and opportunities	Medium

Supporting Services

Ecosystem service	Examples	Importance/Extent/Significance
Biodiversity	Supports a variety of all life forms including plants, animals and microorganizms, the genes they contain, and the ecosystems of which they form a part	Medium
Soil formation	Sediment retention	Medium
Nutrient cycling	Carbon storage/sequestration	Medium
Pollination	Support for pollinators	Medium

Other ecosystem service(s) not included above:

Provides a micro climate environment for surrounding communities					
Within the site:	350,000				
Outside the site:	5,924,498				

# 4.5.2 - Social and cultural values

i) the site provides a model of wetland wise use, demonstrating the application of traditional knowledge and methods of management and use that maintain the ecological character of the wetland	כ
ii) the site has exceptional cultural traditions or records of former civilizations that have influenced the ecological character of the wetland	
iii) the ecological character of the wetland depends on its interaction with local communities or indigenous peoples	P
iv) relevant non-material values such as sacred sites are present and their existence is strongly linked with the maintenance of the ecological character of the wetland	

# 4.6 - Ecological processes

<no data available>

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

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

#### 5.1.1 - Land tenure/ownership

Dii	ы	i٠	OVA	/ne	re	hir	

Category	Within the Ramsar Site	In the surrounding area		
Local authority, municipality, (sub)district, etc.	<b>2</b>	<b>2</b>		

#### Other

Category	Within the Ramsar Site	In the surrounding area
Commoners/customary rights		✓

#### 5.1.2 - Management authority

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

- 1. Wildlife Division/Forestry Commission, Accra
- 2. Ghana Water Company Limited (Regional Office), Kumasi
- 3. Atwema-Nwabiagya District Assembly, Akropong

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

Patience Apassnaba - Site Manager

Owabi Wildlife Sanctuary

Postal address:

P. O. Box 3148 Kumasi, Ghana

E-mail address: apassnaba@gmail.com

# 5.2 - Ecological character threats and responses (Management)

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

Human settlements (non agricultural)

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Housing and urban areas	Medium impact			No change	<b>/</b>	No change
Commercial and industrial areas	Medium impact			No change	<b>2</b>	No change

Water regulation

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Water abstraction	Medium impact		✓	unknown		No change

Agriculture and aquaculture

, 19.104111	aro arra aquacartar	•					
	tors adversely ffecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
	al and perennial n-timber crops	Low impact			No change	<b>/</b>	No change
Livest	tock farming and ranching	Low impact	Low impact		No change	<b>2</b>	unknown

Biological resource use

on or of the control						
Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Hunting and collecting terrestrial animals	Medium impact		✓	No change		No change
Logging and wood harvesting	Low impact	Low impact	<b>/</b>	decrease	<b>2</b>	increase
Fishing and harvesting aquatic resources	Low impact	Low impact	<b>/</b>	unknown		unknown

Human intrusions and disturbance

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Recreational and tourism activities	Low impact	Low impact	<b>/</b>	unknown		No change

Invasive and other problematic species and gener

invasive and other problematic species and genes							
	Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
	Invasive non-native/ alien species	Low impact	Low impact	<b>/</b>	No change		No change

#### Pollution

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Household sewage, urban waste water	High impact		₩	No change	<b>/</b>	No change
Garbage and solid waste	High impact		✓	No change	<b>✓</b>	No change

#### Please describe any other threats (optional):

Increasing human settlements and commercial/industrial activities including assemblage of mechanic workshops that release used oil that ultimately drains and pollutes wetlands.

### 5.2.2 - Legal conservation status

#### National legal designations

Transmar rogal doorginations			
Designation type	Name of area	Online information url	Overlap with Ramsar Site
wildlife sanctuary	Owabi wildlife sanctuary		whole

### 5.2.3 - IUCN protected areas categories (2008)

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

### 5.2.4 - Key conservation measures

#### Legal protection

Legal protection		
	Measures	Status
	Legal protection	Implemented

#### Habitat

Habitat	
Measures	Status
Improvement of water quality	Implemented

### Human Activities

Measures	Status
Communication, education, and participation and awareness activities	Partially implemented
Management of water abstraction/takes	Implemented
Fisheries management/regulation	Implemented
Harvest controls/poaching enforcement	Implemented

# 5.2.5 - Management planning

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

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

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

processes with another Contracting Party?

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

	The second secon	
No		

# 5.2.6 - Planning for restoration

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

# 5.2.7 - Monitoring implemented or proposed

Monitoring	Status
Water regime monitoring	Implemented
Water quality	Implemented
Plant community	Implemented
Plant species	Implemented
Animal community	Implemented

# 6 - Additional material

### 6.1 - Additional reports and documents

#### 6.1.1 - Bibliographical references

Dei-Amoah, C. (1988). Resource Identification and zoning of Owabi Wildlife Sanctuary. B.Sc. thesis, Univ. Science & Technology, Kumasi, (IRNR, Dept. of Range Wildlife Management). 61pp.

Dowsett-Lemaire, F. & Dowsett, R. J. (2005). Ornithological Surveys in Owabi Wildlife Sanctuary. Wildlife Division Support Project Report no. 50-p. IUCN.

Ghana Wildlife Department, (1994). Management Plan of Owabi Wildlife Sanctuary.

Grimes L.G. 1987. The birds of Ghana. London: B.O.U. Check-list no. 9.

Wilson V.J. & Kpelle D. (1992). Zoological survey of the Owabi Wildlife Sanctuary, Kumasi, Ghana.

Wildlife Department/IUCN Project 9786: Accra, Ghana. 24 pp.

Amoakowaah Osei, J. et al (2019). The impact of climate and land-use changes on the hydrological processes of Owabi catchment from SWAT analysis, Journal of Hydrology: Regional Studies, Volume 25, 2019,

Wildlife Division, Forestry Commission (2014). Owabi Wildlife Sancturay/ Ramsar Site Management Plan www.gmes.cersgis.org

#### 6.1.2 - Additional reports and documents

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

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

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

iv. relevant Article 3.2 reports

v. site management plan

<2 file(s) uploaded

vi. other published literature

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

Please provide at least one photograph of the site



and Ramsar Site ( Wildli Division, 30-11-2019 )



and Ramsar Site ( Wildli Division, 30-11-2019 )



and Ramsar Site ( Wildli Division, 12-04-2010 )



Owabi Wildlife Sanctuary and Ramsar Site ( Wildlin Division, 30-11-2019 )



Owabi Wildlife Sanctuary and Ramsar Site ( Wildlif Division, 30-11-2019 )



Owabi Wildlife Sanctuary and Ramsar Site ( Wildli Division, 30-11-2019 )

### 6.1.4 - Designation letter and related data

#### **Designation letter**

<4 file(s) uploaded>

Date of Designation 1988-02-22