



Ramsar Information Sheet

Published on 14 August 2015

Update version, previously published on 1 January 1998

Ghana

Densu Delta Ramsar Site



Designation date: 14 August 1992

Ramsar ID: 564

Coordinates: 5°33'N 0°18'E

Official area (ha): 5 892,99

Number of zones:

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 (This field is limited to 2500 characters)

The Densu Delta Ramsar site comprises river delta with open brackish lagoon, sand dunes, salt ponds and salt pan complex, freshwater marsh, coastal savanna grassland, thickets of degraded mangrove and scrub. It lies west of Accra and is fed by the Densu river which is about 116 km long, and has an area of about 2,460 km². The construction of the Weija dam in 1978, just 8 km inland from the Atlantic sea, reduced the effective catchment area of the Densu Delta Wetland to about 60.5 km south of the dam. The eastern and northern sides of the Wetland are heavily populated. e.g. Dansoman, Kwashieman, Mallam, and Mendskrom. There are about 20 farming and fishing communities/settlements within the Ramsar site. On the average fishermen earned 524,400.00 per person in 1993. In 1994 the average daily fish catch was about 650 kg. The Densu Delta can sustain an annual fish yield of 270 tonnes, generating between 80 104 million cedis annually. This makes the lagoon an important source of livelihood for the people who depend on it. Also, it supports a salt industry which makes millions, of dollars in foreign exchange a year. The Weija dam which supplies water to half the population of Accra receives its water from the Densu.

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

Name

Institution/agency

Postal address *(This field is limited to 254 characters)*

E-mail

Phone

Fax

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

From year

To year

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)

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

(Update) A. Changes to Site boundary Yes No

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

2.1.5 - Changes to the ecological character of the Site

(Update) 6b i. Has the ecological character of the Ramsar Site (including applicable Criteria) changed since the previous RIS? Uncertain

2.2 - Site location

2.2.1 - Defining the Site boundaries

b) Digital map/image

<1 file(s) uploaded>

Boundaries description (optional) *(This field is limited to 2500 characters)*

The Site boundary was delineated, surveyed, pillared and map out as a new nature (wetland) conservation area in fulfillment of Ghana's commitment to the ratification of the Ramsar Convention on Wetlands. The southern boundary follows the shoreline of the sea (Gulf of Guinea). The rest of the boundary line follows a catchment boundary and limits defined by then planning scheme of the Planning authority.

2.2.2 - General location

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

b) What is the nearest town or population centre? Weija-McCarthy Hills

2.2.3 - For wetlands on national boundaries only

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

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

2.2.4 - Area of the Site

Official area, in hectares (ha): 5892.99

2.2.5 - Biogeography

Biogeographic regions

Regionalisation scheme(s)	Biogeographic region
Other scheme (provide name below)	Afro-tropical
Marine Ecoregions of the World (MEOW)	
Marine Ecoregions of the World (MEOW)	Afro-tropical

Other biogeographic regionalisation scheme *(This field is limited to 2500 characters)*




The site contains a collection of unique, rare, endangered, abundant or somehow, biogeographically important species of both plants and animals. The area supports over 57 species of seashore birds, with an estimated population of about 35,000, and 15 fin species of fish belonging to 14 genera and 9 families, with *Tilapia zillii* and *Sarotherodon melanotheron* as the prevailing species of fish.

3 - Why is the Site important?

3.1 - Ramsar Criteria and their justification

- Criterion 6 : >1% waterbird population



















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

Scientific name	Common name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
<i>Cyperus articulatus</i> 	jointed flatsedge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		
<i>Paspalum vaginatum</i> 	seashore paspalum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		
<i>Sesuvium portulacastrum</i> 	shoreline purslane	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		















(This field is limited to 2500 characters)

The area supports over 57 species of seashore birds, with an estimated population of about 35,000, and 15 species of fish with *Tilapia zillii* and *Sarotherodon melanotheron* as the prevailing species.

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

Phylum	Scientific name	Common name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7	8								
CHORDATA / AVES	 <i>Calidris alba</i>	Sanderling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	230		0.23	LC 	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	 <i>Calidris ferruginea</i>	Curlew Sandpiper	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4730		1.05	LC 	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	 <i>Calidris minuta</i>	Little Stint	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2610		1.24	LC 	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	 <i>Charadrius hiaticula</i>	Common Ringed Plover	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1560		0.78	LC 	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	 <i>Charadrius pecuarius</i>	Kittlitz's Plover	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	30		0.08	LC 	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	 <i>Chlidonias niger</i>	Black Tern	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2250		1.12	LC 	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	 <i>Egretta garzetta</i>	Little Egret	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1630		0.46	LC 	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	 <i>Glareola cinerea</i>	Grey Pratincole	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	330		1.32	LC 	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	 <i>Himantopus himantopus</i>	Black-winged Stilt	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	310		0.77	LC 	<input type="checkbox"/>	<input type="checkbox"/>		

RIS for Site no. 564, Densu Delta Ramsar Site, Ghana

Phylum	Scientific name	Common name	Species qualifies under criterion				Species contributes under criterion				Pop. Size	Period of pop. Est.	% occurrence	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
			2	4	6	9	3	5	7	8								
CHORDATA / AVES	<i>Pluvialis squatarola</i> 	Grey Plover	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	340		0.22	LC 	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	<i>Recurvirostra avosetta</i> 	Pied Avocet	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100		0.14	LC 	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	<i>Thalasseus maximus</i> 	Royal Tern	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2590		5.18	LC 	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	<i>Thalasseus sandvicensis</i> 	Sandwich Tern	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1970		1.31	LC 	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	<i>Tringa erythropus</i> 	Spotted Redshank	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	550		0.45	LC 	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	<i>Tringa nebularia</i> 	Common Greenshank	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	390		0.12	LC 	<input type="checkbox"/>	<input type="checkbox"/>		
CHORDATA / AVES	<i>Tringa stagnatilis</i> 	Marsh Sandpiper	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	30		0.81	LC 	<input type="checkbox"/>	<input type="checkbox"/>		

(This field is limited to 2500 characters)

This site is known as a migratory bird staging area with a high count of over 57 species of waterbirds. It holds on regular basis ? 1% of the biogeographic population of numerous species including the Spotted Redshank *Tringa erythropus*, Curlew Sandpiper *Calidris ferruginea*, Little Stint *Calidris minuta*, and Black-Winged Stilt.

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

<no data available>

Name of ecological community	Community qualifies under Criterion 2?	Description	Justification
Species	<input type="checkbox"/>	The area supports over 57 species of seashore birds, with an estimated population of about 35000 and 15 fish species including mammals, rodents and reptiles species.	
ecological features	<input type="checkbox"/>	The main ecological features includes the major habitats and vegetation types includes sand dunes, lagoons, salt pan marshes and scrub, coconut trees fringe, and scattered stands of mangrove with extensive areas of open water	

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

4.1 - Ecological character

(This field is limited to 2500 characters)

The Densu Delta comprises an open lagoon, salt pans, freshwater marsh and scrub and sand-dunes. The wetland is fed mainly by the Densu river, which is dammed upstream (Weija dam) to supply water to the city of Accra. The dam has had profound effects on the lagoon and general hydrology of the wetland, since freshwater inflow into the wetland is controlled by the management of Weija Water Works. There is no direct outlet channel to the sea, but the lagoon often overflows into the sea after heavy rains. There is little vegetation on the dunes and in the salt pans. Some coconut-palms *Cocos nucifera* fringe the dunes, while the banks of some of the pans are colonized by *Sesuvium portulacastrum*. Scattered stands of mangrove are found in some areas around the lagoon, while the freshwater parts of the wetland support stands of mainly *Imperata*, *Typha* and *Cyperus*. Scrub vegetation grows on other parts of the wetland.

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

Marine or coastal wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
A: Permanent shallow marine waters		4		
E: Sand, shingle or pebble shores		3		
F: Estuarine waters		1		
G: Intertidal mud, sand or salt flats		1		
I: Intertidal forested wetlands		2		
J: Coastal brackish / saline lagoons		2		

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
M: Permanent rivers/ streams/ creeks				
Ss: Seasonal/ intermittent saline/ brackish/ alkaline marshes/ pools				

Human-made wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
5: Salt exploitation sites		2		

Other non-wetland habitat

Other non-wetland habitats within the site	Area (ha) if known
Forested hills	

4.3 - Biological components

4.3.1 - Plant species

Other noteworthy plant species

Scientific name	Common name	Position in range / endemism / other
<i>Cyperus articulatus</i>		
<i>Imperata cylindrica</i>		
<i>Paspalum dissectum</i>		
<i>Sesuvium portulacastrum</i>		
<i>Sporobolus virginicus</i>		

4.3.2 - Animal species

Other noteworthy animal species

Phylum	Scientific name	Common name	Pop. size	Period of pop. est.	% occurrence	Position in range /endemism/other
CHORDATA/REPTILIA	<i>Chelonia mydas</i>	Marine turtle				
CHORDATA/REPTILIA	<i>Dermochelys coriacea</i>					
CHORDATA/AVES	<i>Egretta gularis</i>	Western Reef Heron;Western Reef-Heron				
CHORDATA/REPTILIA	<i>Lepidochelys olivacea</i>					
CHORDATA/AVES	<i>Sterna hirundo</i>	Common Tern				

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 metres)

a) Maximum elevation above sea level (in metres)

Lower part of river basin

Coastal

4.4.3 - Soil

No available information

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

4.4.4 - Water regime

Water permanence

Presence?	Changes at RIS update
Usually permanent water present	

Source of water that maintains character of the site

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

Water destination

Presence?	Changes at RIS update
Marine	No change

Stability of water regime

Presence?	Changes at RIS update
Water levels fluctuating (including tidal)	No change

4.4.5 - Sediment regime

Significant accretion or deposition of sediments occurs on the site

Significant transportation of sediments occurs on or through the site

(ECD) Water temperature 25-30°C

4.4.6 - Water pH

Unknown

4.4.7 - Water salinity

Mixohaline (brackish)/Mixosaline (0.5-30 g/l)

Euhaline/Eusaline (30-40 g/l)

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 site itself: i) broadly similar ii) significantly different

Surrounding area has greater urbanisation or development

Surrounding area has higher human population density

Surrounding area has 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	Medium
Wetland non-food products	Reeds and fibre	Low

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	High
Pollution control and detoxification	Water purification/waste treatment or dilution	High
Climate regulation	Local climate regulation/buffering of change	Low
Hazard reduction	Coastal shoreline and river bank stabilization and storm protection	

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance
Scientific and educational	Educational activities and opportunities	
Scientific and educational	Important knowledge systems, importance for research (scientific reference area or site)	

Supporting Services

Ecosystem service	Examples	Importance/Extent/Significance
Biodiversity	Supports a variety of all life forms including plants, animals and microorganisms, the genes they contain, and the ecosystems of which they form a part	High
Nutrient cycling	Carbon storage/sequestration	Medium

Within the site:

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

4.5.2 - Social and cultural values

<no data available>

4.6 - Ecological processes

<no data available>

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

5.1 - Land tenure and responsibilities (Managers)

5.1.1 - Land tenure/ownership

Public ownership

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

Private ownership

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

Other

Category	Within the Ramsar Site	In the surrounding area
Commoners/customary rights	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Provide further information on the land tenure / ownership regime (optional): *(This field is limited to 1000 characters)*

About 1/8 of the Site is owned by a private firm (Panbros Salt Industries Limited) for commercial salt mining. The rest is owned by families and clans, who have leased out the land to individuals, commercial entities, etc. for development.

5.1.2 - Management authority

Please list the local office / offices of any agency or organization responsible for managing the site: *(This field is limited to 1000 characters)*

Wildlife Division (Forestry Commission) Accra, Ghana / Panbros Salt Industries Limited Accra, Ghana / Ga South Municipal Assembly, Weija, Ghana

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

Charles Amankwah

Postal address: *(This field is limited to 254 characters)*

PO Box M.239
Accra, Ghana

E-mail address:

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			<input type="checkbox"/>		<input checked="" type="checkbox"/>	

Biological resource use

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Logging and wood harvesting			<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Fishing and harvesting aquatic resources			<input checked="" type="checkbox"/>		<input type="checkbox"/>	

Natural system modifications

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Dams and water management/use			<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Vegetation clearance/ land conversion			<input checked="" type="checkbox"/>		<input type="checkbox"/>	

Pollution

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Household sewage, urban waste water			<input type="checkbox"/>		<input checked="" type="checkbox"/>	
Unspecified			<input type="checkbox"/>		<input checked="" type="checkbox"/>	

Please describe any other threats (optional): *(This field is limited to 2500 characters)*

5.2.2 - Legal conservation status

Non-statutory designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Important Bird Area	DensuDelta		whole

5.2.3 - IUCN protected areas categories (2008)

IV Habitat/Species Management Area: protected area managed mainly for conservation through management intervention

5.2.4 - Key conservation measures

Legal protection

Measures	Status
Legal protection	Implemented

Habitat

Measures	Status
Improvement of water quality	Proposed

Species

Measures	Status
Threatened/rare species management programmes	Proposed

Human Activities

Measures	Status
Regulation/management of wastes	Proposed

5.2.5 - Management planning

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

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

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

Please indicate if a Ramsar centre, other educational or visitor facility, or an educational or visitor programme is associated with the site: *(This field is limited to 1000 characters)*

No educational facility available

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 quality	Proposed

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

(This field is limited to 2500 characters)

Ghana Coastal Wetlands Management Project. Ghana Wildlife Department, Accra-Ghana.
Biney, C. A. 1995. Limnology: Environmental Baseline Studies – Limnology: Sakumo, Densu Delta and Muni-Pomadze Ramsar Site. Report for the Ghana Coastal Wetlands Management Project. 30pp. Ghana Wildlife Department, Accra, Ghana
Dadson, J. A. 1995. Environmental Baseline Studies Report: Socio-economic status of local communities Densu Delta Ramsar Site. 78pp. Ghana Coastal Wetlands Management Project for Ghana Wildlife Department, Accra-Ghana
Gordon, C. 1995. Environmental Baseline Studies Report: Aquatic Ecology Densu Delta Ramsar Site. 39pp. for the Ghana Coastal Wetlands Management Project. Ghana Wildlife Department, Accra-Ghana.
Koranteng, K. A. 1995. Environmental Baseline Studies Report Fisheries: Densu Delta Ramsar Site. 59pp. Ghana Coastal Wetlands Management Project Ghana Wildlife Department, Accra-Ghana.
Oteng-Yeboah, A. A. (1999). Densu Delta Ramsar Site. Management Plan, CWMP, Wildlife Department.
Oteng-Yeboah, A. A. 1994. Environmental Baseline Studies Report for Plant Ecology: Densu Delta Ramsar Site. Ghana Coastal Wetlands Management Project. Ghana Wildlife Department, Accra-Ghana.
Ntiemoa-Baidu, Y. & Gordon, C., (1991). Coastal Wetlands Management Plans: Ghana. Report to World Bank, Department of Zoology, University of Ghana, Legon, Accra., Ghana.
Tumbulto, J. W. and R. R. Bannerman 1995. Environmental Baseline Studies Hydrology: Densu Delta Ramsar Site. Ghana Coastal Wetlands Management Project. Ghana Wildlife Department, Accra-Ghana.
Wildlife Department, (1971). Wildlife Conservation Regulations. In: Consolidated Wildlife Laws of Ghana, 1998. Pp.36.
World Bank (1997) Towards an Integrated Coastal Management Strategy for Ghana. World Bank, Washington & Environmental Protection Agency, Accra. 137pp.

6.1.2 - Additional reports and documents

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

<no file available>

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

<no file available>

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

<no file available>

iv. relevant Article 3.2 reports

<no file available>

v. site management plan

<2 file(s) uploaded>

vi. other published literature

<no file available>

6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site:



Densu delta picture (*Wildlife Division (Forestry Commission), 26-11-2014*)



Densu delta picture (*Wildlife Division (Forestry Commission), 26-11-2014*)



Densu delta picture (*Wildlife Division (Forestry Commission), 11-02-2015*)



Densu delta picture (*Wildlife Division (Forestry Commission), 26-11-2014*)

6.1.4 - Designation letter and related data

Designation letter

<no file available>

Date of Designation