

Site name	Densu Delta Ramsar Site	Owabi Wildlife Sanctuary Ramsar Site	Sakumo Ramsar Site	Muni-Pomadze Ramsar Site	Keta Lagoon Complex Ramsar Site	Songor Ramsar Site
Ramsar Site No.	564	393	565	563	567	566
Area (ha)	5892.99	7260	1364.35	9461.12	101022.69	51133.33
Latitude	5.55	6.733333333	5.640277778	5.366666667	5.916666667	5.75
Longitude	-0.3	-1.683333333	0.040833333	-0.666666667	0.833333333	0.5
Region	Africa	Africa	Africa	Africa	Africa	Africa
Country	Ghana	Ghana	Ghana	Ghana	Ghana	Ghana
Designation date	1992-08-14	1988-02-22	1992-08-14	1992-08-14	1992-08-14	1992-08-14
Last publication date	2015-08-14	2015-08-13	2015-08-14	2015-08-13	2015-08-13	2015-08-13

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Annotated summary	Densu Delta Ramsar Site is an estuary comprising open lagoon, salt pans, freshwater marsh, scrublands and sand dunes. The wetland is fed mainly by the Densu River, which supplies water to approximately half of the Accra metropolitan area. Scattered stands of mangroves are found in some areas around the lagoon, while the freshwater parts of the wetland support stands of <i>Typha</i> , <i>Imperata</i> grasses, and <i>Cyperus</i> sedges. It is estimated that over 57 water bird species, comprising the little egret <i>Egretta garzetta</i> , common ringed plover <i>Charadrius hiaticula</i> , Curlew sandpiper <i>Calidris ferruginea</i> , and the rare roseate tern <i>Sterna dougallii</i> feed and nest in the area. The entire Delta and its rich mangrove vegetation serves as a major sediment-trapping platform and a shoreline stabilizer for local communities, which depend heavily on the lagoon for commercial fishing, fuelwood harvesting and salt mining.	Owabi Wildlife Sanctuary Ramsar Site is a unique nature reserve comprising a bird sanctuary and a lake formed after the construction of a dam across the Owabi River to supply potable water to the hundreds of thousands of people living in the Kumasi metropolis. It is centred on the reservoir and includes an important plantation of exotic species – mostly <i>Senna siamea</i> – and riverine forests and aquatic plants. The wetland serves as a habitat and a food base for a variety of wildlife including monkeys, bushbuck, antelopes, black duikers and hundreds of indigenous and migratory birds including the hornbill, pygmy goose, purple heron, jacanas and herons. The important diversity of butterflies in the Site also makes it significant for conservation. A water treatment plant is on-site to train water company technicians. The Site has a significant appeal for visitors but is also under severe pressure from growing human settlements and intensive farming.	Sakumo Ramsar Site is comprised of a coastal brackish-saline lagoon and the surrounding floodplains, freshwater marsh, coastal savannah grasslands with thicket vegetation, and a narrow sand-dune connection to the sea. Over 70 waterbird species, estimated to number 30,000 individuals, depend on the Site's resources during migratory and reproduction periods. Notable species include waders such as the spotted redshank and common greenshank (<i>Tringa erythropus</i>) and <i>Tringa nebularia</i> , the collared pratincole <i>Glareola pratincola</i> , sandpipers, curlew, little stint <i>Calidris minuta</i> , the black-tailed godwit <i>Limosa limosa</i> and the black-winged stilt <i>Himantopus himantopus</i> , as well as terns such as <i>Sterna albifrons</i> and <i>Thalasseus sandvicensis</i> . The wetland is important for marine and freshwater fish species including the blackchin tilapia <i>Sarotherodon melanotheron</i> , which represents about 97% of the fish population. Hundreds of	Muni-Pomadze Ramsar Site is a coastal lagoon characterized by sand dunes, degraded forest, scrub, farmland and marsh areas subject to tidal and seasonal inundation. Marine turtles nest on the sandy shores, and an estimated population of about 23,000 water birds, including terns, waders, herons, and egrets, feed and breed in the wetland. It also contains a rich and diverse butterfly fauna, with about 75 species recorded. The eastern borders of the lagoon are covered by thick mangrove forests, which are exploited by local communities for commercial fishing and fuel wood. The narrow strip of sand dune which separates the lagoon from the sea is mainly covered by coconut plantations which attract birdwatchers and tourists. Other human activities include grazing, farming and hunting. The main threats to the Site include rapid urbanization and encroachment.	Keta Lagoon Complex Ramsar Site covers part of the Volta River estuary. It comprises several small islands and a complex of lagoons with varying salinity. The dominant vegetation includes swamps, scrublands, and mangrove forests, which are heavily exploited by resident communities for fuel woods and commercial fishing. The Site provides safe nesting grounds for the threatened olive ridley sea turtle (<i>Lepidochelys olivacea</i>), leatherback turtle (<i>Dermochelys coriacea</i>) and the green turtle (<i>Chelonia mydas</i>), and it is particularly important for the Nile monitor (<i>Varanus niloticus</i>) and the vulnerable West African Manatee (<i>Trichechus senegalensis</i>). It is considered the most important coastal wetland for birds in Ghana, and supports over 72 resident and migratory bird species estimated to number over 100,000 individuals. The wetland supports the livelihood activities of hundreds of thousands of	Songor Ramsar Site is a closed lagoon with inundated mudflats, islands, broad sandy beaches and flood plains associated with the Volta River estuary. It is one of Ghana's wetlands that fall on the boundary of two flyways of water birds, the east Atlantic flyway and the Mediterranean flyway. The main wetland habitats include saline marshes with degraded mangroves, waterlogged grassland, riverine woodland, scattered thickets of shrubs and degraded coastal savannah characterized by farmland, and eroded lands invaded by neem tree, fan palms, silk cotton trees and baobab trees. They serve as ideal feeding and roosting grounds for heron, egret, common greenshank, avocet, stilt, and other small waders and terns estimated at about 50,000 individuals, and as a reproduction site for fish species. The sandy beach plays host to the green sea turtle, leatherback sea turtle and the olive ridley sea turtle commonly found along the shores. Communities within the Site are engaged in fishing, farming and intensive salt extraction for their livelihoods. Tourism is another growing economic activity. Potential threats included coastal erosion
Criterion1	No	Yes	No	No	No	No

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Criterion2	No	No	No	No	No	No
Criterion3	No	No	No	No	No	No
Criterion4	No	No	No	No	No	No
Criterion5	No	No	No	No	No	No
Criterion6	Yes	No	Yes	Yes	Yes	Yes
Criterion7	No	No	No	No	No	No
Criterion8	No	No	No	No	No	No
Criterion9	No	No	No	No	No	No

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Wetland Type	Inland wetlands, M: Permanent rivers/ streams/ creeks, Ss: Seasonal/ intermittent saline/ brackish/ alkaline marshes/ pools, Marine or coastal wetlands, E: Sand, shingle or pebble shores, F: Estuarine waters, I: Intertidal forested wetlands, J: Coastal brackish / saline lagoons, A: Permanent shallow marine waters, G: Intertidal mud, sand or salt flats, Human-made wetlands, 5: Salt exploitation sites	Inland wetlands, Tp: Permanent freshwater marshes/ pools, Human-made wetlands, 6: Water storage areas/Reservoirs	Marine or coastal wetlands, J: Coastal brackish / saline lagoons, I: Intertidal forested wetlands, Inland wetlands, Tp: Permanent freshwater marshes/ pools, N: Seasonal/ intermittent/ irregular rivers/ streams/ creeks, Human-made wetlands, 3: Irrigated land, 6: Water storage areas/Reservoirs, 8: Wastewater treatment areas	Marine or coastal wetlands, E: Sand, shingle or pebble shores, H: Intertidal marshes, I: Intertidal forested wetlands, J: Coastal brackish / saline lagoons, Human-made wetlands, 5: Salt exploitation sites	wetlands, 5: Salt exploitation sites, 2: Ponds, 3: Irrigated land, 9: Canals and drainage channels or ditches, 4: Seasonally flooded agricultural land, Marine or coastal wetlands, F: Estuarine waters, I: Intertidal forested wetlands, J: Coastal brackish / saline lagoons, G: Intertidal mud, sand or salt flats, H: Intertidal marshes, K: Coastal freshwater lagoons, Inland wetlands, N: Seasonal/ intermittent/ irregular rivers/ streams/ creeks, Q: Permanent saline/ brackish/ alkaline lakes, Sp: Permanent saline/ brackish/	Seasonal/ intermittent saline/ brackish/ alkaline marshes/ pools, Tp: Permanent freshwater marshes/ pools, Ts: Seasonal/ intermittent freshwater marshes/ pools on inorganic soils, N: Seasonal/ intermittent/ irregular rivers/ streams/ creeks, Human-made wetlands, 5: Salt exploitation sites, 3: Irrigated land, 4: Seasonally flooded agricultural land, 9: Canals and drainage channels or ditches, Marine or coastal wetlands, J: Coastal brackish / saline lagoons, I: Intertidal forested wetlands, A: Permanent shallow marine waters, E: Sand, shingle or pebble

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Maximum elevation	152		87	500	0	10
Minimum elevation	0		0	0	0	0
Montreux listed	No	No	No	No	No	No
Management plan implemented	Yes	Yes	Yes	Yes	Yes	Yes
Management plan available	Yes	Yes	Yes	Yes	Yes	Yes

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Ecosystem services	Regulating Services, Hazard reduction, Maintenance of hydrological regimes, Erosion protection, Pollution control and detoxification, Climate regulation, Cultural Services, Scientific and educational, Provisioning Services, Food for humans, Fresh water, Wetland non-food products, Supporting Services, Biodiversity, Nutrient cycling	Cultural Services, Scientific and educational, Recreation and tourism, Provisioning Services, Fresh water, Supporting Services, Nutrient cycling, Biodiversity, Soil formation, Regulating Services, Maintenance of hydrological regimes, Erosion protection	Cultural Services, Spiritual and inspirational, Scientific and educational, Provisioning Services, Food for humans, Regulating Services, Erosion protection, Hazard reduction, Supporting Services, Nutrient cycling	Regulating Services, Hazard reduction, Provisioning Services, Wetland non-food products, Food for humans, Cultural Services, Recreation and tourism, Scientific and educational, Spiritual and inspirational	Regulating Services, Pollution control and detoxification, Erosion protection, Climate regulation, Provisioning Services, Wetland non-food products, Food for humans, Fresh water, Cultural Services, Scientific and educational, Recreation and tourism, Spiritual and inspirational, Supporting Services, Biodiversity	Regulating Services, Pollution control and detoxification, Hazard reduction, Provisioning Services, Wetland non-food products, Cultural Services, Scientific and educational, Recreation and tourism, Spiritual and inspirational, Supporting Services, Soil formation

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Threats	Human settlements (non agricultural), Housing and urban areas, Pollution, Household sewage, urban waste water, Unspecified, Natural system modifications, Vegetation clearance/ land conversion, Dams and water management/use, Biological resource use, Fishing and harvesting aquatic resources, Logging and wood harvesting	(non agricultural), Commercial and industrial areas, Housing and urban areas, Biological resource use, Hunting and collecting terrestrial animals, Logging and wood harvesting, Fishing and harvesting aquatic resources, Invasive and other problematic species and genes, Invasive non-native/ alien species, Water regulation, Water abstraction, Agriculture & aquaculture, Livestock farming and ranching, Human intrusions & disturbance, Recreational and tourism activities	Human settlements (non agricultural), Housing and urban areas, Commercial and industrial areas, Biological resource use, Gathering terrestrial plants, Fishing and harvesting aquatic resources, Natural system modifications, Dams and water management/use, Vegetation clearance/ land conversion, Invasive and other problematic species and genes, Problematic native species, Pollution, Household sewage, urban waste water, Garbage and solid waste, Climate change & severe weather, Storms and flooding	aquaculture, Livestock farming and ranching, Biological resource use, Fishing and harvesting aquatic resources, Gathering terrestrial plants, Hunting and collecting terrestrial animals, Natural system modifications, Fire and fire suppression, Pollution, Household sewage, urban waste water, Garbage and solid waste, Human settlements (non agricultural), Housing and urban areas, Commercial and industrial areas, Human intrusions & disturbance,	modifications, Unspecified/others, Vegetation clearance/ land conversion, Biological resource use, Fishing and harvesting aquatic resources, Hunting and collecting terrestrial animals, Gathering terrestrial plants, Pollution, Garbage and solid waste, Human settlements (non agricultural), Housing and urban areas, Commercial and industrial areas, Unspecified development, Agriculture & aquaculture, Marine and freshwater aquaculture, Human intrusions &	modifications, Dams and water management/use, Vegetation clearance/ land conversion, Pollution, Agricultural and forestry effluents, Household sewage, urban waste water, Garbage and solid waste, Agriculture & aquaculture, Livestock farming and ranching, Marine and freshwater aquaculture, Water regulation, Drainage, Biological resource use, Fishing and harvesting aquatic resources, Logging and wood harvesting, Human settlements (non agricultural), Housing and urban areas, Tourism and recreation areas, Human intrusions & disturbance,

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large administrative region	Greater Accra Region	Ashanti Region	Greater Accra Region	Central Region	Volta Region	Greater Accra Region
Global international legal designations						Overlapping site categories, Global international legal and other formal, UNESCO Biosphere Reserve
Regional international legal designations						
National conservation designation	Overlapping site categories, Non-statutory designations, Important Bird Area		Overlapping site categories, Non-statutory designations, Important Bird Area	Overlapping site categories, Non-statutory designations, Important Bird Area	Overlapping site categories, Non-statutory designations, Important Bird Area	Overlapping site categories, Non-statutory designations, Important Bird Area
Does the wetland extend onto the territory of one or more other countries?	No	No	No	No	No	No

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Ramsar Advisory Mission?	No	No	No	No	No	No