

Ramsar Information Sheet

Published on 28 May 2024 Update version, previously published on : 5 September 2005

KenyaLake Elmenteita



Designation date 5 September 2005 Site number 1498

Coordinates 00°28'19"S 36°14'24"E

Area 10 880,00 ha

Color codes

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

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

1 - Summary

Summary

Lake Elmenteita is a shallow alkaline lake lying on the floor of Kenya's southern Rift Valley. It is located in a closed basin whose water budget is maintained by recharge from hot springs located on the southern lakeshore, two inflowing rivers, surface runoff, direct rainfall and evapotranspiration. The lake's surface area is variable, but on average it is about 22 km2 with a depth of about 2m. The Lake is a part of a wider catchment basin where human population has been increasing rapidly in recent years. The high alkalinity, conductivity and other physical - chemical parameters limit its capacity to host many aquatic species. But the few aquatic species that have adapted to the lake's limnological conditions show high productivity. The blue green algae Spirulina plantensis and benthic algae are the main primary producers that support the lakes' food chain. Over the years, a fish species, Oreochromis alcalicus grahami has been introduced to the lake from Lake Nakuru, about 23 km to the west. This to a great extent has enhanced the population of piscivorous birds at the Lake. High rate of evapotranspiration leaves behind white pellets of soda ash (sodium bicarbonate), which is mined by the local community as livestock mineral supplement.

2 - Data & location

2.1 - Formal data

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Responsible compiler

Institution/agency Kenya Wildlife Service

Postal address F.O. Box 40241, 00100, Nairobi.

KENYA

National Ramsar Administrative Authority

Institution/agency Kenya Wildlife Service
Postal address 40241-00100, Nairobi

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

From year 2016

To year 2022

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)

Lake Elmenteita

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

(Update) For secretariat only: This update is an extension □

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?

2.2 - Site location

2.2.1 - Defining the Site boundaries

b) Digital map/image

<2 file(s) uploaded>

Former maps 0

Boundaries description

Lake Elmenteita Ramsar site boundary follows the Nairobi- Nakuru highway to the east with an arm stretching to enclose the Kariandusi hotspring catchment. The Western boundary covers the Soysambu wildlife sanctuary enclosing the sleeping warrior hills and hotsprings towards the southern boundary

2.2.2 - General location

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

Nakuru County

b) What is the nearest town or population centre?

Gilgil

2.2.3 - For wetlands on national boundaries only

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

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

2.2.4 - Area of the Site

Official area, in hectares (ha): 10880

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

10864.566

2.2.5 - Biogeography

Biogeographic regions

Regionalisation scheme(s)	Biogeographic region
Other scheme (provide name below)	Rift Valley

Other biogeographic regionalisation scheme

specify the biogeographic regionalisation scheme please

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

Hydrological services provided

Lake Elmenteita is a unique saline shallow lake in the Kenya's southern Rift Valley. The surrounding landscape is characterized by rocky faults, volcanic outcrops and cones.

☑ Criterion 2 : Rare species and threatened ecological communities

Optional text box to provide further

Lake Elmenteita supports several species falling into different conservation categories as threatened, vulnerable and endangered at local, national, regional and international levels. These include, Lesser Flamingo (Phoenicopterus minor) and Greater Flamingo (Phoenicopterus ruber roseus) are both regionally and globally threatened mainly due to their habitat specificity. Other threatened species found in the Lake are: (i) Great Crested Grebe (Podiceps cristatus): - critically threatened in the eastern Africa region; (ii) Great White Pelican Pelecanus onocrotalus: - global restricted range and on the CMS Appendix I.: (iii) Great Egret (Casmerodius albus), Maccoa Duck (Oxvura maccoa): - (CMS Appendix II)

Criterion 3 : Biological diversity

Justification

The lake has a variety of fast growing single celled algae, large populations of diatoms and supports variable densities of blue green algae (Spirulina platensis) which is the main food for Lesser Flamingo. Spirulina platensis is the characteristic dominant phytoplankton found in the Rift Valley saline lakes and is a major primary producer.

Criterion 4 : Support during critical life cycle stage or in adverse conditions

Optional text box to provide furthe information

The western part of the lake is dominated by numerous islands of black lava, mostly bare but occasionally invaded by the grasses Sporobolus spicatus and Chloris gayana. In dry years, these islands are connected to the shore by stretches of mud flats and have been found to provide the only suitable nesting and breeding grounds for Great White Pelicans (Pelecanus onocrotalus) in the Rift Valley region. The grasslands especially those found in the western shores of the lake are breeding site for Blacksmith plover (Vanellus armatus), and the Lake acts as an important foraging and dispersal area for Lesser Flamingo (Phoenicopterus minor) when environmental conditions especially food resource base is limiting in other saline lakes like Nakuru and Bogoria. The lake regularly supports migrant waders such as Pied avocet (Recurvirostra avosetta) and Little stint (Calidris alba) and other migratory birds such as the Eurasian Marsh Harrier on their stopover during migration. The Lake is a major stop over and a foraging site for Palearctic migrants.

☑ Criterion 5 : >20,000 waterbirds

Overall waterbird numbers 43.000

2016 Start year

End year 2022

Source of data: National Waterbird Census for Kenya 2017, 2018, 2019, 2020, 2021, 2022

☑ Criterion 6 : >1% waterbird population

information

Optional text box to provide further Lake Elmenteita supports over 1% of the East African Lesser Flamingo population

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

Phylum	Scientific name	Criterion 2	Criterion 3	Criterion 4	IUCN Red List	CITES Appendix I	Other status	Justification
Plantae								
TRACHEOPHYTA/ LILIOPSIDA	Cyperus Iaevigatus		/		LC			
TRACHEOPHYTA/ MAGNOLIOPSIDA	Tarchonanthus camphoratus		/		LC			
TRACHEOPHYTA/ MAGNOLIOPSIDA	Vachellia xanthophloea		✓		LC			

The lake has a variety of fast growing single celled algae, large populations of diatoms and supports variable densities of blue green algae (Spirulina platensis) which is the main food for Lesser Flamingo. Spirulina platensis is the characteristic dominant phytoplankton found in the Rift Valley saline lakes and is a major primary producer.

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

Phylum	Scientific name	Spo qua ur crit	ecies alifies ader erion	Spe	cies ibutes criterion		Period of pop. Est.	0/	IUCN	CITES Appendix I	CMS	Other Status	Justification
Birds													
CHORDATA / AVES	Ardea alba	V				42			LC			CITES Appendix III	
CHORDATA / AVES	Calidris alba								LC				Lake is a migration site
CHORDATA / AVES	aeruginosus					6			LC				Lake is a migration site
CHORDATA / AVES	Oxyura maccoa	2				10			EN			Proposed for CMS Appendix I listing	
CHORDATA / AVES	Pelecanus rufescens					324			LC				
CHORDATA / AVES	Phoeniconaias minor	V				570150	2022	28.5	NT			CITES Appendix II	The site is an important dispersal area
AVES	roseus	V				2245			LC			CITES Appendix II	
CHORDATA / AVES	Podiceps cristatus	2				43			LC			critically threatened in the eastern Africa region	
CHORDATA / AVES	Recurvirostra avosetta					1075			LC				migration site
CHORDATA / AVES	Vanellus armatus					80			LC				breeding site

¹⁾ Percentage of the total biogeographic population at the site

The Lake is a major staging site for Palaearctic migrants and over the years, significant populations of different migrant species including other major waterbird species in Kenya have been recorded at the site. Generally, the Lake and its environs is a true representative of a natural or near natural saline wetland type.

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

<no data available>

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

4.1 - Ecological character

The Lake is in an environment of extremes, with variations in humidity, water temperature, rainfall and water levels. The water chemistry makes the Lake habitable to very few organisms including diatoms, zooplanktons, phytoplankton and various waterbird species. Diatoms and other algae that bloom occasionally form substantial amount of total biomass. The main primary producer of the open water zone is the blue - green algae Spirulina platensis that constitutes 95% of the algal population. Primary consumers vary from microscopic zooplanktons to the flamingo. The most important zooplankton is the Copepod Lavenula africana though rotifers such as Brachinous dimidiatus and B plicatilis occasionally become dominant. The lesser flamingo is the major primary consumer of Spirulina platensis.

The Southern, southeastern and western shores are characterized by a swamp of deep, soft mud kept moist by springs and seepage along the lakeside. Sedges and rushes grow here and provide shelter for a variety of waterfowl. The rushes are mostly confined to areas of relatively fresh water while the sedges tolerate more soda. Various waders especially the migrants sift through the mud for small insects. The springs and their associated wetlands are important bottleneck habitats for waterfowl as source for fresh water. They are a source of drinking water for birds, bath place for soda - encrusted birds to wash their plumage and drinking place for livestock. Lake Elmenteita provides seasonal habitat to both the lesser and greater Flamingo, which exhibit high nomadism within the Rift Valley saline lakes in East Africa and elsewhere into central and southern Africa in search of lakes with the preferred ecological conditions for feeding, display and breeding. Grasslands surrounding the lake are dominated by Cynodon dactylon, Themeda triandra, Chloris gayana, among others, and scattered shrubs. The Yellow Fever Tree (Acacia xanthophloea) is the dominant terrestrial tree species and forms the woodland in some parts of the shoreline, an important habitat for birds. Most of the lake's riparian land is still intact with minimal human manipulation. Other forms of land use influencing the ecological character include livestock production and tourism.

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
Saline, brackish or alkaline water > Lakes >> Q: Permanent saline/ brackish/ alkaline lakes	Lake Elmenteita	1		Unique
Saline, brackish or alkaline water > Lakes >> R: Seasonal/ intermittent saline/ brackish/ alkaline lakes and flats		3		
Saline, brackish or alkaline water > Marshes & pools >> Sp: Permanent saline/ brackish/ alkaline marshes/ pools		2		Unique
Fresh water > Flowing water >> Y: Permanent Freshwater springs; oases		4		

4.3 - Biological components

4.3.1 - Plant species

Other noteworthy plant species

Phylum	Scientific name	Position in range / endemism / other
TRACHEOPHYTA/MAGNOLIOPSIDA	Achyranthes aspera	composes the herbaceous layer
TRACHEOPHYTA/LILIOPSIDA	Chloris gayana	in the dry bush land, Dominates Lakeside grasslands
TRACHEOPHYTA/MAGNOLIOPSIDA	Commicarpus pedunculosus	Below the upper canopy
TRACHEOPHYTA/MAGNOLIOPSIDA	Conyza varia	composes the herbaceous layer
TRACHEOPHYTA/LILIOPSIDA	Cynodon dactylon	
TRACHEOPHYTA/MAGNOLIOPSIDA	Euphorbia candelabrum	in the dry bush land
TRACHEOPHYTA/MAGNOLIOPSIDA	Gutenbergia cordifolia	composes the herbaceous layer
TRACHEOPHYTA/MAGNOLIOPSIDA	Hypoestes aristata	composes the herbaceous layer
TRACHEOPHYTA/MAGNOLIOPSIDA	Ipomoea cairica	Below the upper canopy
TRACHEOPHYTA/MAGNOLIOPSIDA	Lantana trifolia	in the dry bush land
TRACHEOPHYTA/LILIOPSIDA	Pennisetum clandestinum	
TRACHEOPHYTA/LILIOPSIDA	Pennisetum hohenackeri	Dominates other grasslands
TRACHEOPHYTA/MAGNOLIOPSIDA	Searsia natalensis	in the dry bush land
TRACHEOPHYTA/MAGNOLIOPSIDA	Senecio hadiensis	Below the upper canopy
TRACHEOPHYTA/MAGNOLIOPSIDA	Sesbania sesban	in the dry bush land
TRACHEOPHYTA/MAGNOLIOPSIDA	Solanum incanum	composes the herbaceous layer
TRACHEOPHYTA/LILIOPSIDA	Sporobolus fimbriatus	Dominates other grasslands
TRACHEOPHYTA/LILIOPSIDA	Sporobolus spicatus	Dominates Lakeside grasslands
TRACHEOPHYTA/LILIOPSIDA	Themeda triandra	Dominates other grasslands
TRACHEOPHYTA/MAGNOLIOPSIDA	Urtica massaica	composes the herbaceous layer

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	Ceryle rudis				It is the only species of Kingfisher that feeds by fishing from the hover rather than always from a perch.
CHORDATAAVES	Chroicocephalus cirrocephalus				
CHORDATA/MAMMALIA	Equus quagga burchellii				
CHORDATA/MAMMALIA	Eudorcas thomsonii				
CHORDATA/MAMMALIA	Giraffa camelopardalis				
CHORDATA/AVES	Haliaeetus vocifer				is another characteristic species of Lake Elmenteita, but its population is low.
CHORDATA/AVES	Leptoptilos crumeniferus				
CHORDATA/MAMMALIA	Madoqua kirkii				
CHORDATA/AVES	Prionops poliolophus				. Its habitat is almost exclusively the acacia woodland within the site.

4.4 - Physical components

4.4.1 - Climate

Climatic region	Subregion
B: Dry climate	BSh: Subtropical steppe (Low-latitude dry)

There is considerable variation in climate within the Lake Elmenteita catchment basin depending on altitude and topography. The climate ranges from cold, hot and humid to arid and semi - arid climatic conditions characteristic of areas within the Rift Valley.

Records in the area indicate a mean annual precipitation of between 600 to 700mm (Soysambu, Nderit and Winston estate, Kekopey ranch, Lanet police station and Chokora farm near Mbaruk). Rainfall is bimodal with the long - rains in April to June and the short rains between October to November. The short rains are less pronounced and the area is reported to be under the influence of the Congo monsoons from the south which cause some light rains during the months of June and July (Ojany and Ogendo, 1973).

The lake ecosystem is situated on an extensive, dry semi arid belt of the Rift Valley extending from Mbaruk to the north north and Kedong valley in the south, with annual mean temperatures ranging between 18.5°C and 19.8°C.

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4.4.2 -	(ienm	norphic	Setting

a) Minimum elevation above sea level (in metres)
a) Maximum elevation above sea level (in metres)
Entire river basin
Upper part of river basin
Middle part of river basin 🗹
Lower part of river basin
More than one river basin \Box
Not in river basin \Box
Coastal 🗆

Please name the river basin or basins. If the site lies in a sub-basin, please also name the larger river basin. For a coastal/marine site, please name the sea or ocean.

Lake Elmenteita catchment (area 500km2) is defined by the Eburru range and forest to the South, plains to the west, Ndundori highlands to the north and the Aberdare escarpment to the East. The drainage basin, which has a largely dendrite pattern, can be divided into four minor watersheds Mbaruk, Chamuka, Kariandusi and Mbaruk - Chamuka. Mbaruk watershed is the largest and wettest while Kariandusi is the driest. Lake Elmenteita is situated in a high altitude depression of the Eastern portion of the Great Rift Valley in Kenya. To the south lies the "badlands", an area of young volcanic rocks including cones and flows of Holocene age. To the North are a number of slightly older volcanic rocks predominantly basalt lava. On the eastern side of the lake are a number fault scarps.

4.4.3 - Soil

Mineral

(Update) Changes at RIS update

No change ● Increase O Decrease O Unknown O

No available information

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

Yes O No ●

Please provide further information on the soil (optional)

Primarily the soils are of volcanic origin and tend to be friable, well drained and in some instances shallow. Those on the central plains are mainly derived from lacustrine deposits and volcanic ashes. Having developed on sediments, the soils are grey, deep, poorly drained and slightly calcareous to saline in nature. On the more open grassland plains are soils derived from pumice beds and ashes from recent volcanoes and appear to be well drained friable loams to sandy clay loam that support the bulk of grazing land around the lake. Rocks that compose the cliffs and rock outcrops are of basaltic formation.

The soil in most areas is highly permeable and very little surface runoff is noticeable after rains; soils vary considerably within the basin from light grey dusty soils (Andosols) on the flat plains around lake Elmenteita, which have developed on the diatomaceous silts of this part to gravel at deposition sites.

4.4.4 - Water regime

Water permanence

Presence?	Changes at RIS update
Usually permanent water present	
Usually seasonal, ephemeral or intermittent water present	

Source of water that maintains character of the site

RIS for Site no. 1498,	Lake Elmente	ita, Kenya		
Presence?	Predominant wa	ater source Change	s at RIS update	
Water inputs from precipitation			o change	
Water inputs from surface			o change	
water Water inputs from				
groundwater		<u> </u>	o change	
tability of water regime				
Presence? Water levels fluctuating	Changes at RI	S update		
(including tidal)	No chan	ge		
Lake Elmenteita has r	no surface outlinge by hot spri	et or underground	s (if relevant). Use this box to explain sites with complex hydrology: seepage for releasing its water to other aquifers. The lake water levels are main outhern part of the lake and seepage to its south - east, Meroronyi, Mbaruk and ration.	
.4.5 - Sediment regim	e			
		Sediment regime unkr	own 🗆	
Please provide further inforr	nation on sedime	nt (optional):		
The lake bottom is fille	ed with weathe	ered material from	the catchment area. The soil type is mainly sandy alluvial, of volcanic origin as $\mathfrak e$ and its immediate surrounding areas.	evident by
(ECD) W	ater temperature	Remarkable mo springs.	nthly variation generally ranging between 170 C and 22o C and 400C in the sou	ıthern hot
·	(Upda	Alkaline (pH	7.4) ☑ late No change ⑨ Increase ◯ Decrease ◯ Unknown ◯	
	(-)			
		Unkr	own 🗆	
Please provide further inform				
The lake pH ranges be	etween 9.6 at	the hot springs ar	d 10.4 in the main lake.	
4.4.7 - Water salinity				
		Fresh (<0.	g/l) 🗹	
	(Upda		date No change Increase O Decrease O Unknown O	
		ish)/Mixosaline (0.5-30		
	,			
			late No change Increase O Decrease O Unknown O	
		haline/Eusaline (30-40		
	(Upda	^{ite)} Changes at RIS up	late No change Increase O Decrease O Unknown O	
		Unkr	own 🗆	
.4.8 - Dissolved or sus	spended nutrie	ents in water		
		Eutro	phic 🗹	
	(Upda	^{ite)} Changes at RIS up	late No change	
		Unkr	own 🗆	
(ECD) _V	Vater conductivity	Conductivity at 2	0°C: 6,500 – 165,000uscm - 1	
.4.9 - Features of the s	surrounding ar	rea which may affe	ct the Site	
Please describe whether,	and if so how, the	landscape and ecolo		
		site i		
Surrounding ar	ea has greater ur	banisation or developr	ient 🗆	
	•	human population de	_	
		e intensive agricultural		
Surround	my area nas more	= interisive agricuitural	,50€ □	

Surrounding area has significantly different land cover or habitat types $\,\Box\,$ Please describe other ways in which the surrounding area is different:

Within the site, there is commercial and small - scale livestock production, tourism, mining involving extraction of sand, salt and diatomite and land preserved for biodiversity. In the surroundings, there is also small-scale and livestock agriculture, conversation but there is in addition, also urban and rural settlements as well as natural forest, woodlands and forest plantations.

4.5 - Ecosystem services

4.5.1 - Ecosystem services/benefits

Provisioning Services

Ecosystem service	Examples	Importance/Extent/Significance
Fresh water	Drinking water for humans and/or livestock	Medium
Fresh water	Water for irrigated Medium	
Wetland non-food products	Livestock fodder	Medium
Wetland non-food products	Other	Medium
Genetic materials	Ornamental species (live and dead)	Medium

Regulating Services

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Ecosystem service	Examples	Importance/Extent/Significance
Maintenance of hydrological regimes	Groundwater recharge and discharge	Medium
Erosion protection	Soil, sediment and nutrient retention	Medium

Cultural Services

Ecosystem service	Examples	Importance/Extent/Significance		
Recreation and tourism	Picnics, outings, touring	Medium		
Recreation and tourism	Nature observation and nature-based tourism	Medium		
Spiritual and inspirational	Cultural heritage (historical and archaeological)	Medium		
Spiritual and inspirational	Aesthetic and sense of place values	Medium		
Scientific and educational	Educational activities and opportunities	Medium		
Scientific and educational	Important knowledge systems, importance for research (scientific reference area or site)	Medium		
Scientific and educational	Major scientific study site	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	

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

4.5.2 - Social and cultural values

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

4.6 - Ecological processes

<no data available>

<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

|--|

Category	Within the Ramsar Site	In the surrounding area	
National/Federal government	✓	2	
B			
Private ownership			
Category	Within the Ramsar Site	In the surrounding area	

Provide further information on the land tenure / ownership regime (optional):

Territorial jurisdiction: The Government of Kenya has overall jurisdiction over Lake Elementeita and its riparian land. Regionally, the County Government and the County Commissioner, Nakuru County) represents the national and local government government. Environmental issues in the country are under the Ministry of Environment and Natural Resources, the National Environment Management Authority (NEMA). Kenya Wildlife Service is responsible for the management of Ramsar sites in collaboration with the local communities and other stakeholders. Functional jurisdiction. There is no one single government agency with overall jurisdiction over the area. A number of government departments are in charge of implementing their sectoral issues: Kenya Wildlife Service (Ramsar, wildlife), Water, Agriculture, and Forest Departments. The Nakuru County Council also has some jurisdiction over the area.

5.1.2 - Management authority

Please list the local office / offices of any	Kenya Wildlife Service
agency or organization responsible for	
managing the site:	
managing the site.	
Describe the access and / a title of the access	
Provide the name and/or title of the person	Esther Wangeci, Senior Warden
or people with responsibility for the wetland:	Louisi Wangoo, Como Wardon
	P.O BOX 40241 – 00100, Nairobi
Postal address:	
E-mail address:	ewangeci@kws.org
	1

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)

affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Housing and urban areas					⊘	

Agriculture and aquaculture

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Livestock farming and ranching	Low impact	Low impact		No change	⊘	No change
Non specified			 ✓		V	

Energy production and mining

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Mining and quarrying	Low impact	Medium impact	✓	No change		No change

Transportation and service corridors

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Roads and railroads	Medium impact	Medium impact	✓	No change		No change
Utility and service lines (e.g., pipelines)	Medium impact	High impact	2	No change	✓	No change

Human intrusions and disturbance

Tullian intusions and disturbance						
Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Recreational and tourism activities			/			

Natural system modifications

Factors adversely affecting site	Actual threat	Potential threat	Within the site	Changes	In the surrounding area	Changes
Vegetation clearance/ land conversion	Low impact	Low impact		No change	/	No change
Unspecified/others					✓	

5.2.2 - Legal conservation status

National legal designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Greater Lake Elmenteita Conservation Area			whole
Lake Elmenteita Community Ecotourism Project			whole
National Wildlife Sanctuary	Lake Elmenteita Wildlife Sanctuary		whole

5.2.3 - IUCN	protected	areas	categories	(2008)
J.Z.J - 10011	DIOLECTER	alcas	catedones	120001

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

5.2.4 - Key conservation measures

Human Activities

<no data available>

Tullian Activities				
Measures	Status			
Management of water abstraction/takes	Proposed			
Regulation/management of recreational activities	Proposed			
Communication, education, and participation and awareness activities	Implemented			
Research	Implemented			

5.2.5 - Management planning

Is there a site-specific management plan for the site? In preparation $% \left(1\right) =\left(1\right) \left(1$

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

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

processes with another Contracting Party?

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

There is a tourist class hotel, campsites, existing and proposed wildlife sanctuaries.

5.2.6 - Planning for restoration

Is there a site-specific restoration plan? Please select a value

Monitoring	Status
Water quality	Implemented
Birds	Implemented

- Ecological linkages between the lake and its catchment
 Ecological linkages between the lake and other water bodies in the region.
 Land use practices within the catchment

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

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(See Additional reports and documents for the complete bibliographical references list)

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

vi. other published literature

6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site:

Lesser flamingos seen in front of an acacia forest Aloisegarvey@gmail.com, 23-05-2023)



Lesser flamingoes seen along the shores of Lake Elmenteita (Alois, Aloisegarvey@gmail.com, 23-05-2023)

6.1.4 - Designation letter and related data

Designation letter

Date of Designation 2005-09-05