

SEYCHELLES ANNEX II. METADATA

2. BIOPHYSICAL ENVIRONMENT

2.1 Description of the coast and distinctive features

Several studies have been carried out by various international and local groups but since there is no current data centre hosting all biodiversity-related information, a lot of the data sets (including both raw and processed) reside in various locations or individuals. Some studies conducted in partnership with local organizations have data sets within the local and public domain, which are summarized in the table below. It is crucial to note however that the key gap includes data location and storage.

Data type	Theme	Format	Metadata record	Description
Spatial data	Coastline	Shape file	Department of Environment	
Spatial data	Continental shelf	Shape file		
Spatial data	Deltas	Shape file	Department of Environment	
Aerial photographs	Main inner islands	Auto photo	Ministry of National Development	Property of Government of Seychelles
	Outer islands	Hyper spectral images	SNPA	Property of Living Oceans Foundation and SNPA
Nautical charts of the coast	Navigational charts	Paper charts Mac sea software		Hard and digital copies available

2.2 General description of the climate

Most of the Seychelles' climate data resides at the Meteorological Service Bureau. It is crucial to note that not all of the Seychelles islands have weather stations; those with this service, provides data and other relevant information/ observations to the concerned agency. The table below illustrates the data set types and formats.

Data type	Theme	Format	Metadata record	Description
Meteorological	National meteorological observations	Excel	Very limited record at the National Meteorological Services;	Rainfall, wind speed/direction temperature (dry bulb, wet bulb, max/min), humidity, evaporation, cloud coverage, sunshine

				duration, radiation. All these parameters are in different periodicity – hourly, daily, monthly, seasonal.
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2.3 Marine and coastal geology and geomorphology

Data on soil types, minerals, Geohazards and sediments are available at the various associated agencies and governmental departments. The scattering of geomorphological data makes compilation of information difficult and often creates gap in data sets available in the public domain.

Table 2: MAHE RIVERS GENERAL DATA (Sourced from Public Utilities Corporation, 2009).

Map No 1:10,000	GIS River No	Name of river	Catchment Area(Km2)	Elevation (m) a.m.s.l. of gauging point	Length of river from source to river mouth(m)	
			to gauging point			
6	59	Grand Anse	2.11	145m	5930.323	
6	59	Grand Anse	4.4	90m	6078.102	
6	60	Seche	2.59	10m		
6	60	Seche	0.89	315m		
6	61	Dauban	2.37	50m	5137.538	
6	61	Dauban right tributary	0.17	470m		
6	62	Mamelles	2.56	140m	6380.191	1
6	62	Mamelles	2.56	140m		
6	62	Mamelles	2.89	70m		
6	63	Brillant			937.483	
7	64	Providence(w) No 1	0.28	40m	1148.836	
7	65	Providence(E)No2	0.18	40m	203.138	
7	66	Button	1.05	10m	2150.12	
7	67	Cascade	3.204 to dam	230m		
7	67	Cascade	3.204 to dam	230m	7785.636	
7	67	Cascade South	1.01	20m		
7	68	Bayonne	0.65	10m	668.511	
7	69				444.144	
7	70	Dejeuner			555.699	
7	71	Francois	0.79	35m	2458.034	
9	72	Grand Bassin	1.3	50m	3351.633	
9	72	Grand Bassin	0.99	160m		
9	73	Mondon			659.413	
	74				1575.314	
	75				652.718	
	76				1635.062	
8	77	Barbaron			1080.429	
8	78	Gaspard			1109.354	
	79				923.875	
8	80	Dupuy	0.41	10m	1011.268	
8	81	Caiman	2.08	10m	3489.006	
9	82	Du Cap	1.7	10m	4045.602	
9	83	Nageon			1293.389	
9	84	Neuf Milles			587.608	
9	85	Bon Espoir	2.41	10m	3851.605	
9	86	souvenir	0.81	80m	1740.881	
	87				973.478	
9	88	Anse Louis	1.89	10m	5596.675	
9	89	Hermitte			742.306	
9	90	Theodore Butler	0.65	70m	1717.218	
10	91	St. Jorre			272.445	
	92				609.087	

10	93	Jumeau			136.789	
10		Mont Plaisir	1.24	10m		
10	94	Anse Royale	0.69	10m	1508.181	
10		L'Enfoncement No1	0.45	10m		
10		L'Enfoncement no2	0.13	10m		
10	95	Sweet Escott	0.32	15m	772.052	
10	96	Anse a la mouche	0.73	10m	1987.036	
10	97	Royale			770.956	
10	98	Baleine			1130.495	
10	99	Anse Soleil			324.532	
10	100	Rivulet			222.079	
	101				494.266	
10	102	Anse aux poules Bleu	0.61	148m		
10	102	Anse aux poules Bleu	0.61	148m		
10	102	Anse aux poules Bleu	1.86	10m	2738.585	
10	103	Baie Lazare	2.41	84m		
10	103	Baie Lazare	2.41	84m		
10		Baie Lazare	3.43	24m	7479.61	
10	104	Bougainville	0.95	10m	2624.975	
11	105	Cayol	0.48	10m	1400.737	19
11	106	Bomme Elie	0.95	10m	526.231	
11	107	Takamaka		20m	793.063	
11	108	Cap Lascar			603.478	
11	109	Clovis			1244.095	
11	110	Anse Forban	1.32	9m	2262.261	
11	111	Intendance	1.23	20m	4435.907	
	112				571.319	
	113				734.122	
	114				606.557	
	115				301.105	
	116				587.977	
	117				459.18	
	118				853.598	
11	119	Grand Police	1.14	10m	4242.35	

Table 3: PRASLINS & La DIGUE RIVERS GENERAL DATA

Map No 1:10,000	GIS River No	Name of river	Catchment Area(Km2)	Elevation (m)	Length of river from source to river mouth(m)	Records Availability	F g m
			to gauging point	a.m.s.l. of gauging point			
1	1	Fond des Lianes			814.785		
1	2				287.324		
1	3				751.046		
1		Machabee	0.41	40m			
1	4				884.028		
1	5				1102.023		
1	6	Tirant			641.127		
1	7	D'Antoine			669.475		
1	8	Lablache			1046.884		
1	9				459.206		
1	10	Anse Etoile	0.656 to La Gogue dam	124m		1975-1976	
	10	Anse Etoile	.0.656 to La Gogue dam	124m		1976 to date	v
	10	Anse Etoile	1.836	10m	2736.266		
	11				530.327		
1	12	Hanguard			598.52		
3	13	Nezet	0.341	45m	835.068	1976-1981	
3	14	point Conan			541.125		
3	15	Anglaise			902.546		
3	16	Loizeau			566.668		
3	17	Conan			220.939		
3	18	Moussa			1100.34		
3	19	Maintry			1305.528		
3	20	St. Louis			1978.439		
	21				762.191		
3	22	Trois Freres	0.907	125m	1321.446	1987-1990	
3	23	Quenet			1211.041		
3	24	Rochon	2.133 to Dam	198m	6746.111	1960-1962	
3		Rochon	2.133 to Dam	198m		1971 to date	
3		Rochon	2.967	80m		1987-1993	v
3	25	Belvedere			292.34		
3	26	Plaisance			769.025		
3	27	Mare Anglaise			2769.405		
3	28	Sullivan			2093.888		
2	29	Manmzel Anna			1138.511		
2	30	La tour			267.021		
2	31	Moustache			1244.416		
2	32	Jasmin			801.706		
2	33	Danzille No 2	0.704	10m	1952.743	1981 to 1983	v
2	34	Major			2044.893		
3	35	Grand St. Louis	1.29	70m	8929.945		
3		Le Niol	1.616 to T/Work	200m		1960 to date	
3		Le Niol	1.616 to T/Work	200m		1978 to date	v

3		Rodas	0.94 to T/W	200m		1977 to date
2	36	Athanas			1714.887	
	37				264.291	
	38				195.551	
	39				179.691	
	40				421.642	
	41				1014.501	
	42				422.407	
	43				282.298	
	44				368.752	
2	45	Du Riz			1828.96	
	46				535.899	
	47				895.774	
5	48	Griffiths			1086.014	
	49				392.297	
2	50	Souillac			886.533	
5	51	Mare Aux Cochon	5.416	15m	3034.553	1971 to1984
5	51	Mare Aux Cochon	5.416	15m		1979 to date
5	52	L'Islette	2.45	90m	3956.553	1984
5		L'Islette	2.71	10m		
5	53	Cascade(Mare aux Cochon)			5441.518	
6	54	Antat	0.71	40m	1490.129	
6	55	Desert	0.61	30m	1780.329	
6	56	Montagne Posee			1664.87	
6	57	Beoliere	1.08	10m	2892.817	
6	58	Grand bois	1.601	145m	1783.402	1960 to1975

2.4 Freshwater resources and drainage, including rivers, estuaries, deltas and coastal lakes

Abstractions and Gauging Frequency

Table 4: PRASLINS & La DIGUE RIVERS GENERAL DATA

Map No 1:10,000 Praslin	GIS River No	Name of river	Catchment Area(Km2)		Elevation (m) a.m.s.l. of gauging	Grid Re of Gau (Eastin
			to gauging point			

					point	
1	Sey2055	Anse Boudin	0.502		60	357
	Sey2060	Mon Desir	0.057		20	356
1	Sey2060	Mon Desir	0.159		10	
1		Pasquiere No 2	0.485		10	357
	Sey3435	Anse Kerlan	1.079		84	
2	Sey3435	Anse Kerlan	1.079		84	354
	Sey3435	Anse Kerlan	1.17		40	354
1 & 3	Sey2460	Catholic Mission	0.457		10	356
1 & 3	Sey2477	Pasquiere No1	0.67		103	358
		Pasquiere No1	0.98		40	358
		Pasquiere No1			40 & 60	
		Pasquiere No2	0.49		10	
3	Sey2509	Nouvelle Decouverte	1.16		80	
		Nouvelle Decouverte	1.16		82	359
		Nouvelle Decouverte	1.872		25	359
3	sey2486	Salazie	0.818		85	360
		Salazie			85	
		Salazie			70	
3	Sey2497	La Prude	0.691		10	
	Sey2503	Fond B'offay	0.549		113	360
		Fond B'offay	0.549		113	
		Fond B'offay	1.283		30	361
3&4	Sey9009	Pelissier	0.488		20	362
4	Sey9011	Anse marie Louise	0.476		10	361
Map No 1:10,000 La Digue	GIS River No	Name of river	Catchment Area(Km2)		Elevation (m)	
			to gauging point		a.m.s.l. of gauging point	
1	Sey13742	la Passe	0.114		10	370
1	Sey13744	Julius Mellon	0.075		15	370
1	Sey13745	J.B. Payet	0.09		10	370
1	Sey13746	F. payet	0.063		10	371
1	Sey13747	Quinon	0.116		10	370

1	Sey13748	Madame Pierre(Mac Gaw)	0.21		10	370
1	SEy13751	Maurice payet	0.33		10	370
1	Sey13750	Grand Anse	0.225		15	370
1	Sey13752	Rassool No 1(L. Union)	0.153		10	

2.5 Physical Oceanography

2.5.1 Currents

From Satellite:

Ocean currents can raise sea surface height over the surrounding area, thus currents can therefore be mapped by measuring height variations. Satellite altimetry is one tool which can obtain information on the geostrophic current of an area.

Some online Sources of ocean current data derived from merged or single source altimetry data in near real time data or Delayed time data:

- AVISO website: <http://www.aviso.oceanobs.com/en/home/index.html>
- OSCAR website: <http://www.oscar.noaa.gov/index.html>

From Cruise:

ASCLME Cruise on the R/V Dr Fridjof Nansen in October 2008

From Drifter:

The global Drifter Program is one program which makes available drifter data. Metadata and data can be obtained at:

- http://www.aoml.noaa.gov/phod/dac/gdp_drifter.html

In Situ Data

- Few studies were conducted that included ocean current survey which have taken place around Mahé from 1989 to 1992. Data from the survey can be obtained from the Seychelles Coast Guard.
- The Seychelles Fishing Authority have Ocean current profile data at 10 locations south of Praslin, conducted in April 2009

Model:

There is 3D circulation model

- MERCATOR (www.mercator-ocean.fr) , but it is not for coastal application

2.5.2 Tidal regime and waves

Tidal data

Most of the historical tide gauge data can be obtained through the University of Hawaii, Bidston University and the Seychelles Meteorological Station

- <http://uhslc.soest.hawaii.edu>
- <http://www.bodc.ac.uk/>

Seychelles Meteorological Service makes available maximum wave height, average wave height and wave period from its marine forecast service.

Significant wave height from Altimetry data

Sources of significant wave height:

- AVISO website: <http://www.aviso.oceanobs.com/en/home/index.html>

2.5.4 Ocean Temperature

- From satellites:
 - National Oceanic and Atmospheric Administration (NOAA) is one agency that make available ocean temperature data and products
<http://www.noaa.gov/>
- CDT
 - Data from the World Ocean Database, metadata and data can be obtained either online at :
<http://www.nodc.noaa.gov/>
Or at the Seychelles NODC (SFA)
 - Data from the ASCLME cruise on the R/V Dr Fridtjof Nansen in November 2008, metadata and data can be obtained at the Seychelles NODC
- XBT
 - Data from the World Ocean Database or at the Seychelles NODC (SFA)
- Autonomous float and buoys array
 - Joint WMO IOC Technical Commission for Oceanography and Marine Meteorology (JCOMM) provide data of :
<http://wo.jcommops.org/cgi-bin/WebObjects/JCOMMOPS>
 - Data Buoys (RAMA buoys array in Indian Ocean)
 - ARGO Floats
 - Data from Ship Observation Team
 - International Buoy Programme for the Indian (Drifters)
http://www.aoml.noaa.gov/phod/dac/gdp_drifter.html
 - <http://wo.jcommops.org/cgi-bin/WebObjects/Argo.woa/2/wo/uNN3Lcu28mZNULjj1giSZM/0.0.30.13.0?21,16>
- Other In situ data

Temperature Logger: From the Seychelles Ocean temperature Network. Data available at the Seychelles NODC (SFA)

2.5.5 Salinity

Salinity data can be obtained at:

- World ocean database: which comprise of historical CDT data
- Seychelles NODC, comprising of recent CTD data from the South of Praslin

2.5.6 Ocean – Atmosphere Interaction

Data for Atmosphere – Ocean Interaction

- Comprehensive Ocean-Atmosphere data set, COADS (<http://www.cdc.noaa.gov/coads/>).
- Seychelles Meteorological Station, for most of the data (Cyclone information, Evaporation, etc...)
- For the Indian Ocean Dipole, the website 'The State of the Ocean Climate' (UNESCO-IOC) :
http://ioc3.unesco.org/oopc/state_of_the_ocean/sur/ind/

2.6 Chemical and Biological Oceanography

2.6.1 Nutrients

From report:

- Radegonde, V. (2008), Results of the National water and sediment quality monitoring in the Republic of Seychelles.

From cruise:

- ASCLME Cruise on the R/V Dr Fridjof Nansen in October to November 2008

2.6.2 Persistent organic/ inorganic pollutants

From report:

Radegonde, V. (2008), Results of the National water and sediment quality monitoring in the Republic of Seychelles.

2.6.3 Primary production

From satellite:

- Ocean colour from various sensors, namely CZCS, OCTS, SeaWIFS and MODIS-Aqua
- NASA, Ocean Colour website: <http://oceancolor.gsfc.nasa.gov/>
- SeaDAS, Ocean Colour website: <http://oceancolor.gsfc.nasa.gov/seadas/>

The following data on ocean net primary production (NPP) are available from the Oregon State University

- <http://www.science.oregonstate.edu/ocean.productivity/standard.product.php>: This page provides access to ocean net primary production (NPP) **Standard Products**. The **Standard Products** are based on the original description of the Vertically Generalized Production Model (VGPM) ([Behrenfeld & Falkowski 1997a](#)); **MODIS** surface chlorophyll concentrations (Chl_{sat}), MODIS sea surface temperature data (SST), and SeaWIFS cloud-corrected incident daily photosynthetically active radiation (PAR). Euphotic depths are calculated from Chl_{sat} following [Morel and Berthon \(1989\)](#).
- <http://www.science.oregonstate.edu/ocean.productivity/custom.php>: This page provides ocean net primary production (NPP) data for alternative NPP algorithms and using either SeaWIFS or MODIS data.

From cruises:

- ASCLME Cruise on the R/V Dr Fridjof Nansen in October to November 2008

2.6.4 Secondary production

From cruises:

- The Shoals of Capricorn Programme of the Royal Geographical Society and Royal Society Cruise on (SRV) 'Zuza' in April to May 2001
- ASCLME Cruise on the R/V Dr Fridjof Nansen in October to November 2008

From Non Governmental Organisation (NGO):

- The Marine Conservation Society of the Seychelles (MCSS) collects data on zooplankton as part of the Whale Shark project.

From Parastatal Bodies:

- The Seychelles National Parks Authority (SNPA) has a database for the zooplankton monitoring programme which was started by the shoals of Capricorn programme in 2000.

2.7 Coastal zone and continental shelf

2.7.1 Description and extent of coastal and marine habitats

Data type	Theme	Format	Metadata Record	Description
Maps of coastal habitats (millennium products and ASCLME mapping activity)	Distribution of benthic habitat types (Biotic and Abiotic) and Vegetation	<i>Shape files</i>	Yet to be uploaded on www.seychellesgpt.sc	Work in progress
Previous assessment of marine habitats	<ul style="list-style-type: none"> • Distribution of benthic habitat types (Biotic and Abiotic) • Status • Sensitivity 	<ul style="list-style-type: none"> • <i>Shape files</i> • <i>PhD and M.Sc reports*</i> • <i>Scientific papers and reports*</i> • <i>EIA reports*</i> • <i>Atlas*</i> • <i>Monitoring reports*</i> 	Yet to be uploaded on www.seychellesgpt.sc	Does not cover all the islands of the Seychelles in a systematic manner, but individual and specific areas as per the current studies
Classification schemes used in country for habitat assessment	Distribution of benthic habitat types (Biotic and Abiotic) and Vegetation	<i>Shape files</i>	Yet to be uploaded on www.seychellesgpt.sc	Concentrate mostly on distribution of habitat types
WIO-Lab TDS/SAP for issues and concerns	-	-	-	-

* Digital and hard copies

2.9 Macrofauna (state of biological knowledge)

2.9.1 Invertebrates

Data type	Theme	Format	Metadata	Description
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			record*	
Catch data	Abundance, biomass, diversity, species distributions	Acess		Data collected by the SFA from the fishery
Distribution and population size data	Distribution and population size	Acess and Arc GIS		Data collected during eth 2004 survey on 246 sites

2.9.2 Fish and fish resources

Data type	Theme	Format	Metadata record	Description
Literature	Diversity		Playfair, R. L. (1867). The fishes of Seychelles. Proc. Zool. Soc. London (1867). 846-872, 2 pls.	Describes fish species found in Seychelles
Literature	Diversity		Mobius, K. A. (1880). Beitrage zur Meeresfauna der Insel Mauritius und der Seychellen. Berlin.	Describes fish species found in Seychelles
Literature	Diversity		Mobius, K.A., and Peters, W. (1883). Liste des poissons collectionnes a Maurice et aux Seychelles. Trans. Roy. Soc. Sci. Mauritius. 11 , 49 -58.	Describes fish species found in Seychelles
Literature	Diversity		Catford, J. C. (1972). The survey report of the Seychelles Coral Reef Conservation Expedition. (unpublished). Galway University.	Describes fish species found in Seychelles
Literature	Diversity		Smith, J.L.B., and Smith, M.M. (1st ed. 1963./ 2nd ed. 1969). The fishes of Seychelles. Inst. Ichth. Rhodes Univ. Grahamstown	Describes fish species found in Seychelles
Literature	Diversity		Randall, J.E., and van Egmond, J. (1994). Marine fishes from the Seychelles: 108 new records. In, J. van der Land (ed.), Results of the 'Oceanic Reefs' Expedition to the Seychelles (1992-1993), volume 1. Zool. Verh. Leiden 297,pp 43-83	Describes fish species found in Seychelles
Literature	Diversity		Landini, W., and Sorbini, L. (1988). The ichthyofauna in the exposed reef environment of Mahe and Praslin Islands (Seychelles Archipelago). Boll. Mus. civ. St. nat. Verona, 14 , 1987 (1988), pp. 421-437	Describes fish species found in Seychelles
Literature	Diversity		Polunin, N. V. C. (1984). Marine fishes of the Seychelles. In : Stoddart, D.R. (ed.). Biogeography and Ecology of the Seychelles Islands. Junk, The Hague. pp. 171-91	Describes fish species found in Seychelles

Literature	Diversity		Pittman, S.J. 1996 Coral reef fish assemblages of Baie Ternay National Marine Park and Baie Beau Vallon, Mehe, Seychelles, Seychelles Marine Parks Expedition Oct-Nov 1995, Draft report	Describes fish species found in Seychelles
Literature	Diversity		Nigel Downing, Raymond Buckley, Ben Stobart, Larry LeClair and Kristian Teleki 2005. Reef Fish Diversity at Aldabra Atoll, Seychelles, during the Five Years following the 1998 Coral Bleaching Event <i>Philosophical Transactions or Royal Society A</i> , Vol. 363, No. 1826, pp. 257-261	Describes changes in reef fish diversity after bleaching event
Literature	Biomass		Mees, C.C. 1993. Population biology and stock assessment of <i>Pristipomoides filamentosus</i> on the Mahé Plateau, Seychelles. <i>Journal of Fish Biology</i> , 43: 695-708	Gives estimates of biomass and MSY for the Mahe Plateau
Literature	Biomass		Mees, C.C. 1992. Seychelles demersal fishery: An analysis of data relating to four key demersal species. Seychelles Fishing Authority Technical Report (SFA/R&D/019)	Gives estimates of virgin biomass and MSY for Mahe Plateau inshore and offshore grounds (multispecies)
Literature	Biomass		Lablache, G., and Carrara, G. 1988. Population dynamics of Emperor red snapper (<i>Lutjanus sebae</i>), with notes on the demersal fishery on the Mahe' Plateau, Seychelles. In Contributions to Tropical Fisheries Biology: Papers by the Participants of FAO/DANIDA Follow-up Training Course on Fish Stock Assessment in the Tropics, Hirtshals, Denmark, 5–30 May 1986, and Manila, Philippines, 12 January–6 February 1987, pp. 171–192. Ed. by S. J. Venema, M. Christensen, and D. Pauly. FAO Fisheries Report. 389 pp. (ISSN 0429-9337).	Gives estimates of biomass and MSY for the Mahe Plateau

2.9.3 Mammals

Data type	Theme	Format	Metadata record*	Description
Sightings	Abundance, biomass, diversity, species distributions	logs		Sightings from ships recorded in logs.

2.9.4 Reptiles

Data type	Theme	Format	Metadata record*	Description
Tagged individuals (mostly nesting females) Track counts	Abundance, biomass, diversity, species distributions	Filemaker pro, Excel, Access, e-turtle		Information collected by various organisation on nesting beaches.

2.9.5 Birds

Data type	Themes	Format	Metadata record	Description
Bi-annual seabird census on Cousin island 2003-2010	Abundance (Population estimate +/- 95% CI), percent plots occupied/not occupied, sampling method	Excel & PDF census reports	Nature Seychelles	White-tailed tropicbird, lesser noddy, White tern, brown noddy, Audubon's shearwater, wedge-tailed shearwater, bridled tern
Seabird census summary on Cousin island 1973-2010	Abundance (Population estimate +/- 95% CI), percent plots occupied/not occupied, sampling method	PDF summary report	Nature Seychelles	White-tailed tropicbird, lesser noddy, White tern, brown noddy, Audubon's shearwater, wedge-tailed shearwater, bridled tern
Seabird breeding success on Cousin Island 2008-10	Laying success after nest building, egg & chick survival, proportion of chicks fledged per nest built/egg laid	Excel & PDF reports	Nature Seychelles	White-tailed tropicbird, lesser noddy, White tern
Seabird census on Cousine Island	Abundance			White-tailed tropicbird, lesser noddy, brown noddy, White tern, Fairy tern, Bridled tern
Seabird census on Aldabra 1967-1968	Distribution and abundance	PDFs	Seychelles Islands Foundation	Red-footed booby, red-tailed tropicbird, white-tailed tropicbird
Seabird census on Aldabra 1976-1977	Distribution and abundance	PDF	Seychelles Islands Foundation	Frigate bird
Seabird census on Aldabra 2008/2009	Nesting ecology	Excel	Seychelles Islands Foundation	White-tailed and red-tailed tropicbird
Coastal bird occurrence on Aldabra 1967-1968	Distribution and presence	PDF	Seychelles Islands Foundation	All migrant wading bird species
Coastal bird	Distribution and	PDF	Seychelles Islands	Crab plover, ruddy turnstone,

occurrence on Aldabra 2003-2007	presence		Foundation	bar-tailed godwit, sanderling, sandplover, whimbrel, grey plover, common greenshank
Coastal bird census on Aldabra 2007	Distribution and abundance	PDF	Seychelles Islands Foundation	Crab plovers
Coastal and sea bird census 2001-2009	Abundance	Excel & reports	Monthly reports of Seychelles Islands Foundation	Black-naped tern, Caspian tern, common greenshank, common ringed plover, crab plover, dimorphic egret, white tern, greater crested tern, greater sand plover, green-backed heron, grey heron, grey plover, lesser sand plover, ruddy turnstone, sanderling, whimbrel, bar-tailed godwit
Wading birds census on Aldabra (2003 to date)	Diversity, abundance & seasonality	Excel & reports	Seychelles Islands Foundation	20+ species of wading birds and some seabirds.