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HIGHLIGHTS OF 2021

- ▶ Tree planting event with the President of the republic ahead of COP 26
- ▶ Signing of MoU with ClubMed for conservation contribution
- ▶ 80% of planned activities under the Adaptation Fund (AF) Coral Reef Restoration Project completed.
- ▶ Biodiversity survey was carried out on Curieuse to map the mangrove forest and monitor associated flora and fauna.
- ▶ Green Footprint Carbon Offsetting Pilot Project launched in partnership with British High commission
- ▶ Regional Marine Education Project 'PAREO' completed
- ▶ Switching to E- Banking Facilities
- ▶ Funding received for the re-opening of Morne Seychellois Nature Trail
- ▶ Visit of Thai ambassador to the Botanical Garden
- ▶ Two public sales of Coco de Mers and plants organised

Introduction

The Seychelles National Parks Authority (SNPA) is responsible for a number of marine and terrestrial national parks of Seychelles and some of these parks have been designated since 1979. The terrestrial parks include Morne Seychellois National Park, the Praslin National Park and the Veuve Reserve on

La Digue. The Marine National parks includes Ste. Anne (one of the first marine protected area in the Indian Ocean), Silhouette, Port Launay, Baie Ternay, Ile Coco and Curieuse. The authority also manages forest reserves on behalf of the government.

In January 2021, President Ramkalawan announced

the merging of the Seychelles National Parks Authority (SNPA) with the Botanical Gardens Foundation (NBGF). The new authority was to be named, Seychelles Parks and Gardens Authority (SPGA). On 1st June, the CEO of SPGA entered the head office of SNPA to implement the merger.

SNPA Mission and Vision and Mandate

Mission

To effectively protect and manage designated marine and terrestrial protected areas including forested areas for future generations with the intention to use them for conservation, recreation, research and educational purposes.

Vision

Ensuring that the Seychelles Protected Areas are managed for the benefits of all.

Mandates:

The Seychelles National Parks Authority (SNPA) was established in 2009 and has the mandate to:

- Protect and manage effectively the ecosystems and biodiversity in specific designated Protected Areas (PA)
- Implement national conservation policies and obligations under multilateral agreements
- Provide tourism and activities for our visitors
- Facilitate and conduct research related to biodiversity and protected areas
- Promote education and awareness activities
- Implement sustainable forestry practices
- habitats and ecosystems from anthropogenic threats such as forest fire, pollution and coral destruction

SNPA Governance

Due to the transition phase which SNPA underwent in 2021, the organization operated without a Board throughout January 2021 to December 2021. Nevertheless, the works and duties of SNPA was duly carried out and all strategic guidance required was overseen by the office of the Minister of Agriculture, Climate Change and Environment.

LEGAL ASPECT

DATE	Institution	Remarks
November 2021	Anti-Corruption Commission Seychelles (ACCS)	SNPA logged a case in relation to the Curieuse Project
June & October 2021	Finance and Public Accounts Committee(FPAC)	NBGF Cases
2021- present	Public Enterprise Monitoring Commission(PEMC)	2020 Audit
2021-present	Public Enterprise Monitoring Commission (PEMC)	Governance Audit
2021	Information Commission	No requests were filed to the Commission

Heads of the various Sections/sites (December 2021)

By the end of 2021 major organisational changes had taken place within the organisation

Section	Head
Finance	Lya Docteur
Research	Allen Cedras
Business, Communication, Marketing, Trading and Education Unit	Allen Cedras
Human Resource	Allen Cedras
Administration	Allen Cedras
Forestry and National Park Unit	James Mougat
Ste Anne Marine Park	Remie Asmann
Port Launay & Baie Ternay Marine Parks	Roland Quatre
Curieuse Marine Park	Anto Suzette
Ile Cocos Marine Park	Cliff Emile
Veuve Reserve	Josianna Rose
Praslin National Park	Marvel Lesperance
Botanical Garden	Eric Sophola
Biodiversity Centre	Nathachia Einfeldt

The SNPA annual report documents activities undertaken by the Seychelles National Parks Authority throughout 2021. Included are activities related to the Botanical Garden and the Biodiversity Centre.

SNPA SITE COVERAGE

The Seychelles National Parks Authority (SNPA), is a parastatal organization primarily responsible for managing 6 national parks and a special reserve within the Inner Islands of Seychelles. The authority manages

some of the most visited sites in Seychelles such as Curieuse, Cocos Island, St. Anne Marine Park etc. (see summary of sites below).

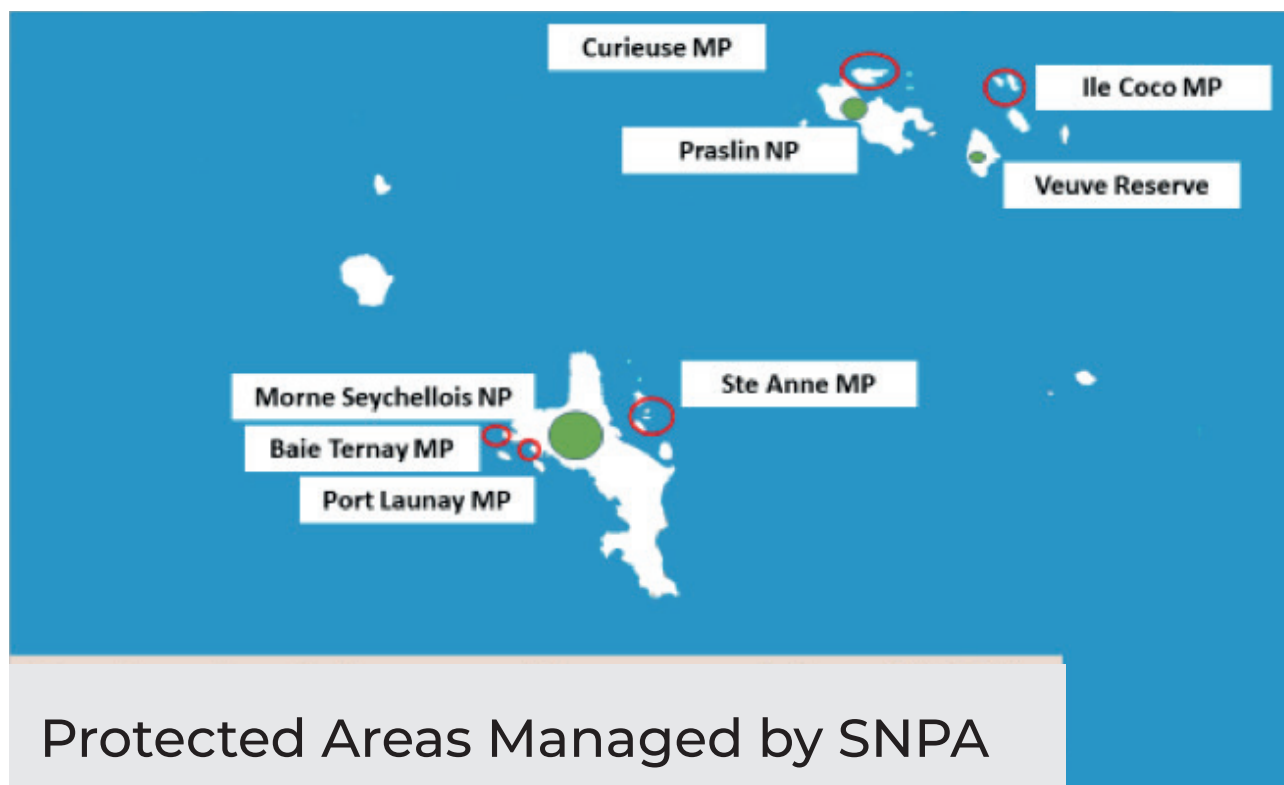
Some areas of the terrestrial national park of Morne Seychellois (for example

Mare aux Cochons, Copolia, Anse Major) and parts of the terrestrial Praslin National Park (Glacis Noire), are also well visited by a large but unquantified number of non-paying visitors.

Source: SNPA Strategic Plan 2017-2022

Designation type IUCN Category	Official Name	Terrestrial Area (ha)	Marine Area (ha)	Total Area (ha)
Special Reserve Cat. Ib	La Digue Special Veuve Reserve	7.88	0	7.88
National Park Cat. II	Morne Seychellois- National Park	3129.47	0	3129.47
	Praslin National Park	325.37	0	325.37
Protected Area IUCN Cat. II	Iles Cocos, Iles La Fouche, Ilot Platte	0	85.55	85.55
Marine National Park Cat. II	Curieuse	0	1340.74	1340.74
	Baie Ternay	0	87.09	87.09
	Port Launay	0	163.29	163.29
	St. Anne	0	965.41	965.41
	Sub-total SNPA managed PAs			6104

The map below indicates the locations of SNPA's managed Protected Areas(PA).



Visitor Statistics to SNPA Paying Sites and the Botanical Garden

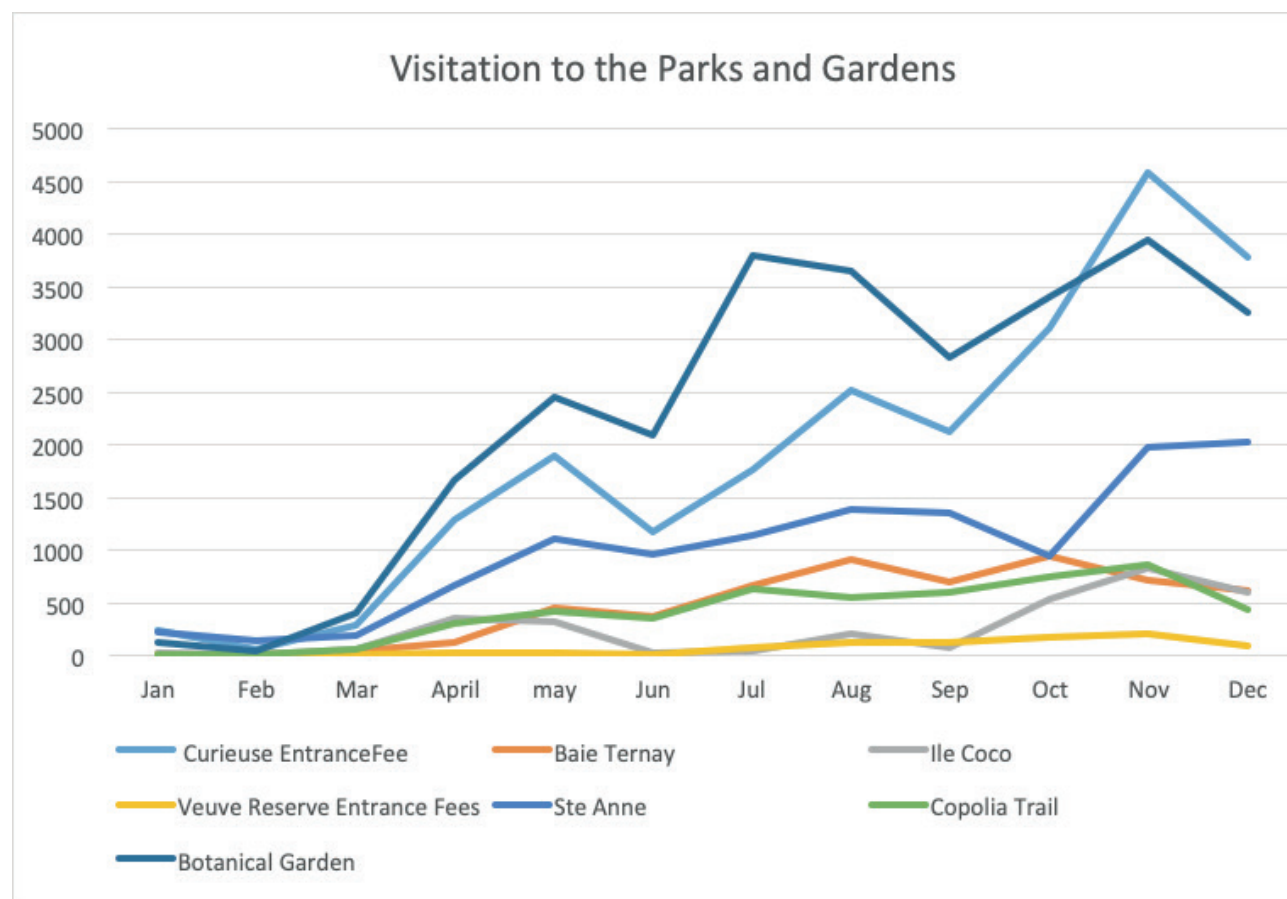


Figure 1.0: Visitation to the parks, trail, reserve and Botanical Garden in 2021

Figure 1.0 shows monthly visitation figures and patterns to the parks, trails, Special Reserve and Botanical Garden in 2021. The Botanical Garden recorded the highest number of paying visitors, 27,644, followed by the Curieuse Marine Park with 22,805 visitors and the Ste Anne Marine Park with 12,131 respectively.

The Veuve Special Reserve was the least visited site with only 882 paying visitors. All of the sites were adversely affected by the COVID-19 pandemic during the first quarter of the year. As of March onwards visitor numbers increased steadily across all sites. It is however noticeable, that here was a drop in visi-

tors throughout the month of May, whereas all of the sites recorded their highest visitor numbers in November, with the exception of St. Anne and Baie Ternay Marine Park. It is particularly interesting to note that visitor numbers to all the sites, increased gradually throughout the year.

MARINE NATIONAL PARKS

St. Anne Marine Park

St. Anne Marine National Park designated in 1973 is the oldest Marine Protected Area (MPA) in Seychelles and in the Western Indian Ocean. It covers an area of 965.41 ha and is located 5km from the main island of Mahé. There is much to see in the St. Anne Marine National Park, which is set amid dazzling turquoise waters and is thus, a perfect snorkelling spot providing unbelievable underwater views. The picturesque St. Anne MP surrounds six Islands, including Ste Anne, Ile Moyenne, Ile Ronde, Ile

Longue, Ile Cachee and Ile aux Cerfs. Daily excursions to the MP provided by tour operators, include glass bottom boat trips, which provide spectacular views of Mahé and introduces visitors to the treasures of this pristine Protected Area (PA). Snorkelers on the reefs can enjoy a vast array of corals of all shapes, sizes and colours. The park contains one of the largest areas of seagrass meadows in the granitic islands and it is not uncommon to spot green turtles feeding on the vegetation.

Certain visitors are also lucky enough to swim alongside hawksbill turtles or spot bottlenose dolphins cruising by, for a truly memorable experience.

Throughout 2021, nine SNPA staff were working full time in Marine Operations unit for the St. Anne MP. Several students from the Seychelles Maritime Academy (SMA), were also welcomed to carry out their work placements. The marine park is managed from an SNPA Marine Operations base at Perseverance.

St. Anne Marine Park Visitor Statistics

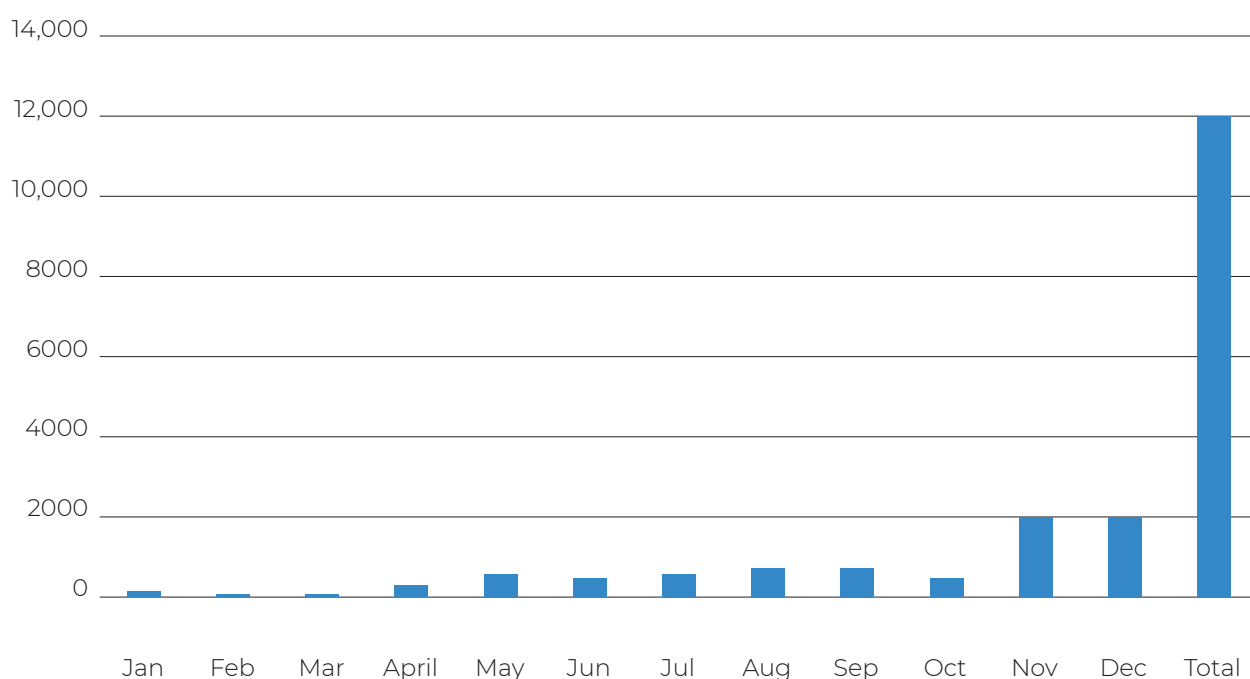


Figure 2.0 Monthly and annual number of paying visitors to the St. Anne MP.

Figure 2.0 shows that 12,131 tourists visited the MP in 2021. Visitor numbers to the park was significantly low throughout the first quarter of 2021, due to national and international lockdowns implemented as a result of the COVID-19 pandemic. From April onwards, visitation to the park increased gradually, with November and December being the busiest months.

Work Activities in the St. Anne Marine Park

A new Standard Operating Procedure (SOP) developed and produced by a consultant (Ms. Gilberte Gendron), has been adopted under the GOS-GEF-UNDP Ridge to Reef Project. The new SOP was

presented to Marine Operations Staff and Ms. Gendron subsequently conducted on site training on knots and turtle monitoring with the Mahé Marine Operations team.



Additionally, in November and December 2021, St. Anne MP staff participated in the Island Biodiversity and Conservation Centre (IBC) and UNISEY Project to deploy Argos turtles satellite tags. Four satellite tags were successfully deployed from St. Anne Island. During the following turtle nesting season, St. Anne MP staff took the lead in regards to turtle monitoring, as compared to previous years whereby this was conducted by Dr Gerard Rocamora. A total of 17 turtles were tagged between November 2021 to January 2021.

Other Activities in Sainte Anne Marine Park



- As part of the monitoring and enforcement mandates of SNPA officers, the St. Anne Marine Park staff collected a total of 19 fish traps within the Protected Area.
- The joint Coral Restoration Project with the Marine Conservation Society Seychelles (MCSS), is still ongoing in the Sainte Anne Marine Park and is host to several coral nurseries. The SNPA team and MCSS have of late reviewed the MOU facilitating the project between the two parties.
- To celebrate the International Clean-Up the World Campaign in September 2021, the St. Anne Marine Park team along with two staff from the SNPA research section, conducted a beach clean-up on two Hawksbill Turtle nesting sites on Ste Anne Island (Grand Anse and Petit Manon beach). A total of 34 gunny bags of trash were collected from the clean-up and transported back to Mahe to be disposed.
- In August 2021, SNPA, MCSS and the tour operator of Teddy's Glass Bottom Boat catered for a group of students from the Seychelles Institution of Teacher Education (SITE) on the occasion of International Youth Day. The team conducted activities such as snorkelling on the coral reefs, hiking on the Moyenne Island trail and raising awareness on the importance of coral restoration and protected areas. Assistant Park Officer (APO) Mr. Demien Mougale and Park Ranger (PR) Ms. Shazelle Julie lead the activity on behalf of the marine operation staff.
- Furthermore, in August 2021 SNPA also conducted a meeting with partner's MCSS. The MCSS team presented their new project proposal "Eco-Mooring Buoys" which they intend on implementing in the St. Anne Marine Park under the Seychelles Conservation and Climate Adaptation Trust (SEYCCAT) Blue Grant.
- In September, the St. Anne team along with the new SPGA CEO Mr. Allen Cedras, met with Mr. Sultan to discuss his business proposal of which, he wishes to establish a small bar on the Long Island sand bank. The proposal has been sent to the Seychelles Investment Board(SIB) for further with the relevant authorities.

- Also in September, the St. Anne and Baie Ternay Marine Parks team met with the chairman of the Mahe Skippers' Association (Mr. Gilbert Victor). Various issues and topics were discussed as well as helpful advice which was received. Minutes of the meeting was sent to CEO.
- In preparation for Global Environment Facility(GEF) 7 project, Park Manager Mr. Remie Asman and Senior Training and Events Officer Mr. Bernard Bijoux met with the project development consultant (Dr. Jude Bijoux), to conduct tracking tools analysis, for 2021 for the Sainte Anne and Ile Cocos Marine Park.
- St. Anne Marine Park Manager, Mr. Remie Asman and the SNPA procurement officer, Ms. Sheriffa Dufresne worked on tender documents in order to procure for a pontoon at the SNPA Marine Operations Perseverance base.

Boat Repair and Maintenance

Major body works were undertaken on "Miskarden", the main boat used in the Baie Ternay and Port Launay Marine Parks. The boat has now received a new Horsepower (HP) engine.



Body Work On “Filanbaz”

The main boat used within the St. Anne Marine Park “Filanbaz”, also underwent certain maintenance works during 2021. Servicing works were conducted in the boat’s Suzuki engine, as well as receiving a new coat of paint and added welding of stainless steel railings.



Maintenance work on Filanbaz

Curieuse Marine National Park

Curieuse Marine National Park, designated on 11th June 1979, is a sanctuary for flora and fauna. This site is SNPA’s most popular protected area having received 22,805 paying visitors in 2021. The Marine Park and the island is home to a significant collection of Seychelles’ endemic species; from giant tortoises

introduced from Aldabra and endemic birds, to the world’s biggest nut, the legendary Coco-de-Mer. Visitors to this paradise are offered an array of outdoor experiences. One can follow the guided nature trails around the island; bird watching of both land and sea birds and the abundant moorhen, barbeques,

snorkelling and diving. The most popular attraction to the island are the over one hundred friendly giant tortoises, which roam freely. Other attractions include the famous Doctor’s House, which operates as an information centre as well as the rich mangrove wetland which has the longest boardwalk in Seychelles.

The island is full of history as in the past it was utilised as a Leper settlement. Remains of the settlement are still visible at Anse Jose and Caiman. The marine park is an important sea turtle rookery in the inner granitic islands. There are a number

of ongoing monitoring programmes that are taking place, both in the marine park and on the island. SNPA's main research partner Global Vison International(GVI), under guidance of SNPA's Research Section undertakes majority of the

monitoring.

When current SPGA CEO, Mr. Cedras entered office, he promoted Mr. Anto Suzette as the Curieuse Island Manager and Mr. Jason Bastille is responsible for the Curieuse Marine Operations.

Curieuse MP Visitor Statistics

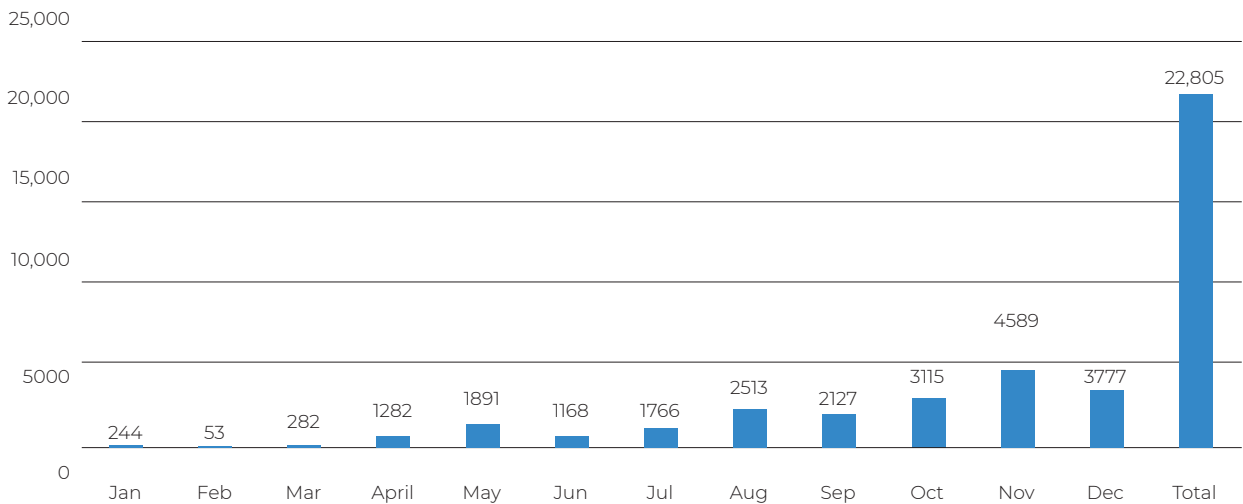


Figure 3.0 Monthly and annual visitor statistics for Curieuse Marine Park

Similar to most sites, visitor numbers were low during the first quarter of the year. February recorded the least number of visitors (53). From April onwards, visitor numbers began to increase gradually. November was Curieuse Marine Park's busiest month with 4,589 paying visitors recorded followed by the month of December. The total number of visitors recorded for 2021 stood at 22,805.

Enforcement is one of the most prioritized and most

strenuous task. It is the duty of SNPA officers to ensure proper execution of enforcement with the aim of having park users comply with the laws, regulations and standards.

There were several issues, mostly with tourists fishing at night and poachers either hunting for octopuses, feather foot crabs at St. Pierre or putting fishing traps in the marine park.

Curieuse MP team conducted quite a bit of foot patrols during the beginning till middle of the year since

they were not too busy with marine operations. Foot prints were found around Anse Caiman beach and looked like outsiders had come on the island to steal fruits found there, e.g. bananas, mangoes etc. By the middle to the end of year more patrols were conducted at sea, especially at night. This resulted in the confiscation of three fishing traps, one old surfboard with a metal spear and a few fishing rods.



Confiscated fish traps

Maintenance and Repair

- Major maintenance work was conducted especially around the barbecue area and visitors' toilet to enhance and facilitate park users' experience. The Old office has been demolished and moved to an ex house to acquire bigger space and individual offices for the Manager, Park Officer & Assistant Park Officer. A new reception kiosk has been built at Baie Laraie to welcome guests. Same is planned for Anse Jose.
- Barbecue areas are power washed often to remove accumulation of dust and soot. Wall tiles have been added to facilitate cleaning and old grills will soon be replaced with new ones. Lighting also has been added for the purpose of night barbecue.
- Renovations were done on the Adaptation Fund Project's house and rangers' house to make living conditions more favorable for the island inhabitants.
- Standard maintenance was conducted on the water reservoirs. Old hoses and connections were replaced, blockage removed in pipes.
- Since there was a very long drought, the team struggled a lot with water shortages which resulted in complaints from operators. To alleviate the problem a water well was dug near the marsh area opposite the tortoise nursery and this has helped a lot. A new water pump was received for this purpose.
- A major clean up and removal of rubbish were done by the end of year by the ground keepers. Staffs and operators were ordered to dispose of their rubbish on Praslin on a daily basis so as to prevent unwanted accumulation of rubbish on Curieuse.
- Boat wise there were some issues with batteries and steering. New battery was bought. A mechanic was called up for the Damsel's broken steering but he couldn't fix it so the SPGA staff had to put heads together and got it fixed. Basic maintenance such as oil change etc. are done by rangers Dereck Louange & Jean Paul Bedier.
- Bio fouling accumulates rapidly on our boats because they do not have anti fouling paint underneath. Bio fouling are cleaned by rangers outside the park boundaries.
- Maintenance on the water pumps, blowers, power wash, brush cutters etc. is done by grounds keeper Damien Suzette.



The new reception at Baie Laraie



Waste removal from the island



The plant nursery



The new well

Other Activities

Month	Activities
January	Finishing, constructions works and renovations were being done on the barbecue shelters, AF Project House & visitors' toilets.
	Assisted GVI with shark tagging, beach profiling and Turtle monitoring.
February	Finishing works still being undertaken and getting ready for re-opening of the island to visitors.
March	On the 25th the Island re-opened after about a year of closure due to COVID-19 lockdown.
April	Final touch ups for re-opening.
	Since the island had re-opened the focus has been on entry fee cash collection.
May	Beach Cleaning.
	Analysis on the Mangroves at Anse Jose on behalf of SNPA.
June	Trail clearing and cleaning.
	Beach cleaning.
July	Some barbecue tables have been cut in half at Anse Jose and Baie Laraie barbecue shelter to accommodate more operators.
	Renovation of plant nursery at Baie Laraie.
	Clearing of Grand Anse trail started and a boardwalk of 45metres at the marsh area has been proposed to be built by Mr. Frederick

August	Two toilets were changed with new ones in the toilet block at Anse José.
	EBA project started at Anse Badamier to remove some invasive plants.
September	Due to strong south east monsoon and rough seas, the SAM coral transect and fish identification monitoring was not done.
	For Clean Up the World Day, different activities with the participation of different groups such as, school teachers, students, parents, New Life Pentecostal church, Fresh Focus and also the Curieuse team were conducted.
October	Data collected on erosion and accretion on beaches to monitor seasonal as well as climate change.
	Small renovation in the Assistant Parks Officer's Room.
	The 31st was the arrival of new Assistant Park Officer Christopher Mahoune.
November	On the 2nd New Assistant Parks Officer Began Orientation.
	Research team visited Curieuse twice this month. 4 of them on the 2nd to the 5th and 5 of them on the 15th to 20th.
	On the 5th Turtle Monitoring started by APO Mahoune, focusing on Anse Madarin, Baie Laraie, Anse Papaie & Grand Anse.
	On the 8th the audit team came for routine evaluation.
	On the 9th a water well was dug to help with water shortage issue and new water pump received for that purpose.
	SBC filmed a program about Curieuse for "Zil Pros An Mouvman"
	On the 30th a Rangers' Manual workshop was done by Mrs. Gilberte Gendron Via ZOOM.

December

On the 3rd the practical part of the Ranger's Training Manual was done on Curieuse island by Mrs. Gilberte Gendron.

On the 4th SPGA welcomed the UNDP delegation accompanied by SPGA CEO, Training & Event Coordinator and the Research team.

9th of December a Casuarina tree fell and damaged Barbecue Shelter's roof at Baie Laraie.

On the 18th to 23rd the research team came to do a Paradise Flycatcher Census in relations to the Darwin Project in collaboration with the department of environment.

On the 21st the CEO stayed overnight on Curieuse and took that opportunity to have a chat with the team to give an idea and clarity on the transition from SNPA to SPGA and upcoming plans.

Port Launay and Baie Ternay Marine National Parks

Considering their proximities, the same marine operations team manages the two marine parks. Port Launay is one of Seychelles' most picturesque seascape. It encloses eight beautiful beaches. It was designated on 11th June 1979 and has an area of 163.29ha. The reefs on both sides of the bay provide a wonderful opportunity to use one's mask and snorkel.

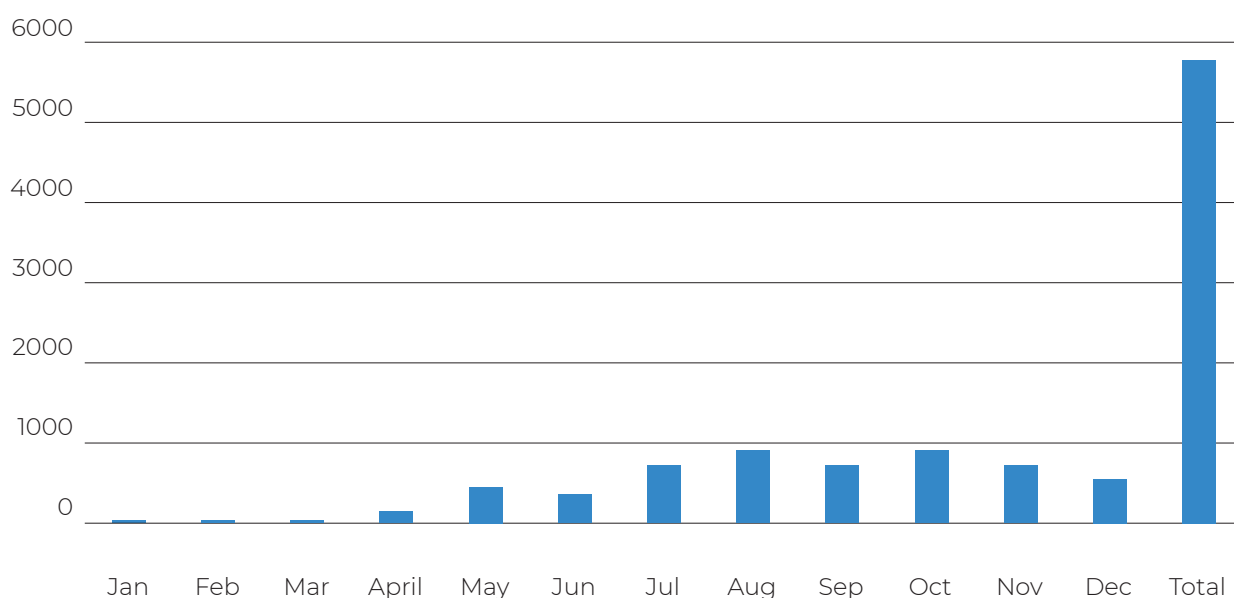
Baie Ternay is a paradise for snorkelers and divers and is treasured for its astounding

vistas, with pristine seashore fringed by calm turquoise shallows and abundant marine life. It supports an interesting combination of coastal habitats comprising sandy and rocky shores, sea grass beds and coral reefs. The sea-grass beds on the north side of the bay, near the main channel, are vital turtle feeding grounds. Designated on 11th June 1979, the Baie Ternay Marine Park is 87.09ha. Its white sandy and secluded beaches are idyllic spots for

swimming, snorkelling, picnics and sunbathing.

GVI (SNPA's main research partner) has been monitoring the reefs in the two parks for more than 10 years now. Two monitoring sites are present in the Port Launay MP and 4 sites in the Baie Ternay MP. The international NGO monitors benthic cover, fish, invertebrates, Crown of Thorn Starfish, other marine fauna, hard coral genera diversity and coral recruitment.

Port Launay & Baie Ternay MPs Visitor Statistics



Visitor Statistics

Figure 4.0 Monthly and annual number of entry fees paid for Port Launay & Baie Ternay MP

In 2021, 5,604 paying tourists visited the two marine parks. Similarly, to the other marine parks, visitation was very low during the first quarter due to the lockdown imposed as a result of the COVID-19 pandemic. From April onwards, the number of visitors increased gradually with visitation peaking in October and then decreasing slowly once again.

LEAP Project

In December 2020, SNPA signed an MoU with Nature Seychelles for the implementation of the Locally Empowered Area Project (LEAP), in the Port Launay and Baie Ternay Marine Parks. Hence, in September 2021, LEAP field staff started their activities in the marine parks by doing two dives per day on weekdays. Activities included coral reef, invertebrates, fish and deep sea-grass surveys. Amid the project, the boat however went ashore due to an engine problem. The two local staffs hired under the project to work in the marine parks also left. The French Conservation Officer left soon after. Two new scientific officers were then hired as replacements.

Enforcement

- In October, the SNPA team began to undertake joint patrols with the Seychelles Coast Guard, Marine Police and Seychelles Maritime Safety Agency (SMSA) on the weekends.
- Late afternoon patrols were also conducted due to incidents whereby poachers would come at late hours to hunt for octopus and lobsters.
- Surveillance with the use of drones were also implemented in the Port Launay MP due to poaching activities and to check for boats on mooring in the protected area.
- No fish traps were found in the two marine parks during the year.

Other Activities

- In September, the Seychelles Fishing Authority (SFA) conducted a habitat survey in the Baie Ternay MP.
- A large clean up activity was also organized for the Clean-up the World campaign in September 2021. Various groups and organisations participated, such as the Rotary Clubs, LEAP team, the Port Claud Member of the National Assembly(MNA) and the District Administrator(DA).



Clean-up the World Campaign participants

- Renovation work on the Port Launay office was undertaken and such consisted of painting the walls, changing the door lock and window frames.
- In November seagrass mapping and coring was done by (Dr Harley) and (Dr Mortimer). Dr Alan Foreman did Coral sampling was also done in the Baie Ternay MP (Dr. Alan Foreman)
- In September SBC filmed its popular TV program 'Knock-out' in the Baie Ternay MP.



Activities in the Port Launay and Baie Ternay MP

Meetings and Trainings

Month	Meeting/Training
August	Strategic Adaptive Management (SAM) meeting with Jennifer O’Leary on Zoom.
	Park Ranger Herve started two months of lifeguard training.
	Park Officer Mr. Roland Quatre conducted a site visit at Anse Major with SNPA CEO and stakeholders.
September	Mr. Roland Quatre attended a meeting with the Constance Ephelia Resort General Manager together with the SNPA management team.
	Mr. Roland Quatre attended a meeting with the LEAP project team to discuss their work program.
October	Park Officer Mr. Roland Quatre attended the Sea grass training and field-work workshop organized by SeyCCAT.
	Staff participated in the SAGE workshop organized by LEAP project.
	Mr. Roland Quatre also attended the Non-Hire Craft Vessel Meeting.
	Staff also attended the MPAs Capacity Building Seminar.
November	The team participated in various drone trainings conducted by Senior Training and Events Officer Mr. Bernard Bijoux.
	Mr. Roland Quatre attended a site visit at Port Launay with SNPA CEO and stakeholders in regards to an SNPA plot of land near the Bus Depot.

Boat and Engine Maintenance

- Maintenance on engine
- Replacement of high pressure pump
- Miskaden undergone full maintenance and received new engine

Ile Cocos Marine Park

Ile Cocos is one of the country's most featured landmarks. The marine national park is 85.55 ha in area and consists of the 3 small islets of Ile Cocos, Ile La Fouche and Ilot Plate. Anse Peniche on Felicite Island falls within the park's boundary. The small marine park is located 7km from La Digue and is a renowned snorkelling spot. Its crystal clear waters are rich in marine life, one of the most popular being the

endangered sea turtle. Numerous species of fish including eels and rays can be found swimming on the reef. There have been many recorded sightings of whale sharks (the largest fish in the world) in the park. The main island amongst the three, Ile Cocos, contains a beautiful white sandy beach which appears at low tide. The small granitic island, is home to numerous nesting seabirds such as the

Shear Water (*Puffinus lherminieri*), Fairy Tern (*Gygis alba*) and Brown Noddy (*Anous stolidus*) and can be accessed via the beach. The eye-catching marine park has been under environmental protection since 1996 and is indeed the ultimate deserted island experience.

Three permanent SNPA staff work in the marine park and Park Officer Cliff Emile is the officer in charge.

Ile Cocos MP Visitor Statistics 2021

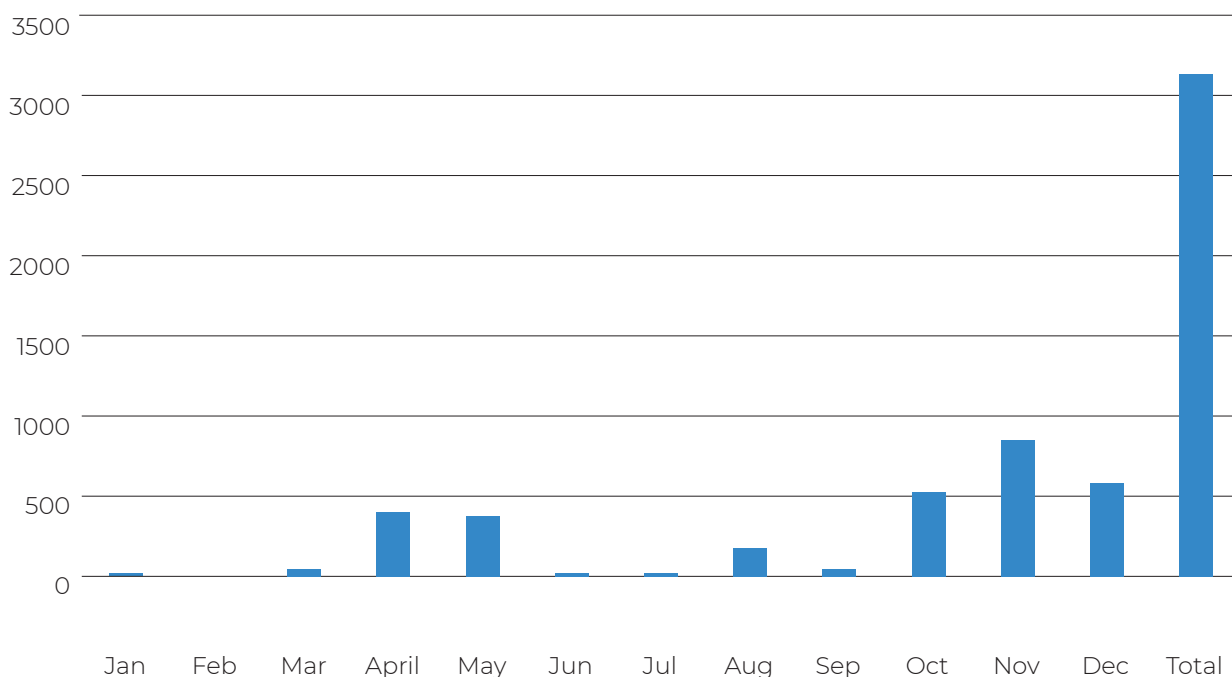


Figure 5.0 Monthly and annual paying visitors to the Ile Cocos MP

Figure 5.0 depicts that 3,158 paying tourists visited the marine park. With the COVID-19 pandemic causing lockdowns during the first quarter of the year, visitation was very low at the start. Like most other marine parks, November recorded the highest number of visitors, 836. October and November were the only two months recording over 500 paying visitors.

The Ile Cocos Marine Park team noticed a decrease in

small boat charters which normally visit the marine park. It was observed that these small boats would just pass through and proceed to Anse Lakour on Felicite Island for snorkelling activities. Massive storm surges in the marine park continue to be a problem. This used to be an issue during the South East monsoon but it is now evident that this is no longer a seasonal problem. The team believe that the problem

stems from bleaching events which have badly affected the reef. Only eight mooring fees were collected in the Ile Cocos MP throughout 2021.

The strong South East monsoon winds prevented the team from going to the marine park during that particular time. Thus, surveillance was done using binoculars from La Digue and by contacting Security officers at the hotel on Felicite island.

Marine Park Activities

- No research could be done in the marine park due to strong storm surges, strong currents and also due to the COVID-19 lockdown.
- No illegal activities have been recorded in the Marine Park.
- No Educational activities were conducted due to COVID-19 restrictions.
- No Fish traps were found in the marine park.
- In November, it could be observed that boat operators using the beach on Felicite, nearly caused a fire with left over burnt charcoal.



Left over charcoal on Felicite Beach

Training and Workshop

In October, Park Ranger Ms. Bella Jeanne and Park Officer Mr. Cliff Emile attended a basic tour guiding training on La Digue, along with some staff from the Veuve Reserve. The training was facilitated by the Seychelles Tourism Academy(STA).



Wave Runner ashore undergoing maintenance

FORESTRY & NATIONAL TERRESTRIAL PARKS

As of July 2021, the Forestry and National Terrestrial Parks team is headed by Mr. James Mougale the General Manager. The team was restructured into five main units to reflect the nature of the forestry team's work and the geographical locations. The forestry team was further divided into two units: Forest Inventory and Forest Production, and the National Terrestrial Parks team was divided into three units: Morne Seychellois National Park (Mahe), Praslin National Park (Praslin) and Veuve Special Reserve (La Digue).

The Forestry and National Terrestrial Parks team consisted of staff with a range of duties and responsibilities: a general manager, assistant forestry and park officers, forest and park rangers, foresters, chainsaw operators, tree loppers, forestry workers, information assistants and caretakers, assistant administrative officers and drivers/messengers.

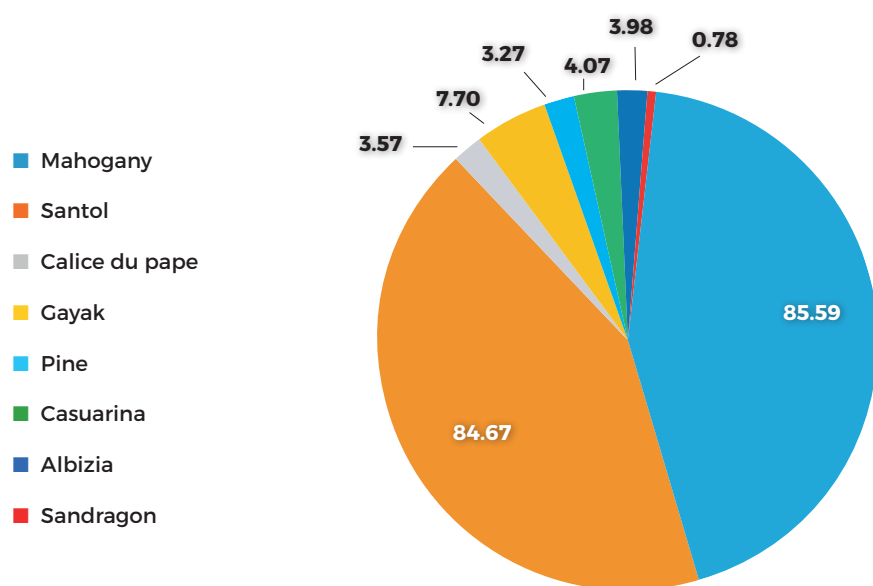
The Forest Inventory Unit have the following functions: to conduct forest inventory (field data collection and mapping of forest resources), allocate timber trees and other forest products to timber merchants and the general public, conduct surveillance and enforcement on bad timber harvesting practices, and assess dangerous trees on SNPA's properties.

The Forest Production Unit pertain the following functions: to maintain timber plantations (bush slashing and replanting), manage tree nurseries, diagnose and treat tree diseases, maintain firebreaks and suppress forest fires, carry-out education and awareness activities with various groups, control and manage invasive alien species, and restore degraded forest reserves.

The Morne Seychellois National Park Unit also have the following functions: to maintain and erect new eco-tourism facilities (nature trails, signposts and information boards, wooden bridges and kiosks), conduct biodiversity monitoring and assist visiting scientists, carry-out education and awareness activities, conduct surveillance and enforcement within the park, implement endangered species recovery and habitat restoration programme, and manage the visitor centre/ticket office.

Headed by Mrs. Sabrina Florentine, the Forest Inventory Unit allocated some 193.63 m³ of local timber from the forests on Mahe, of which, *Swietenia macrophylla* (Mahogany), *Sandoricum indicum* (Santol) and *Intsia bijuga* (Gayak) were the most harvested tree species (figure 6.0). On Praslin and La Digue, some 82.37 m³ of local timber were removed from the forests, of which, Mahogany, Santol and *Terminalia catappa* (Badamier) were the most harvested tree species (figure 6.1). There were 17 active, licensed timber merchants operating in the Forestry sector during 2021. Coco de Mer kernels remained the most valuable non-timber forest products on sale, accounting to 75.9 % of the total revenue (figure 6.2). Other economically important non-timber forest products were Latanier/palm leaves (12.1 %) and *Casuarina* poles (6 %); used in the Construction industry, and *Raffia* branches (3.4 %); used in the Handicraft industry. As the national efforts to revive the Cinnamon industry intensifies, the Unit had surveyed nine land parcels covering several regions of Mahe: Barbarons, Salazie, Montagne Posse, Hermitage, Copolia, Les Mamelles, Mont Signal and Takamaka. The data gathered, on presence and distribution of cinnamon trees, are being used to produce a comprehensive map of cinnamon distribution for Mahe Island. This activity is being implemented with the support of the GIS Unit/ Department of Climate Change and Energy.

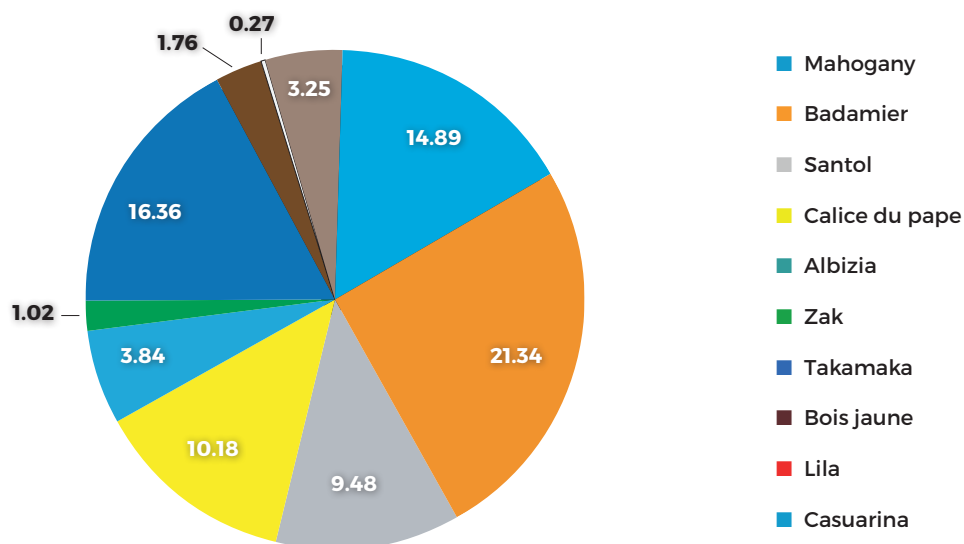
Volume of Timber (m³) Harvested on Mahe Island in 2021



*Figure 6.0:
Volume of timber
harvested on
Mahe in 2021*

Volume of Timber (m³) Harvested on Praslin & La Digue Islands in 2021

*Figure 6.1:
Volume of
timber harvested
on Praslin and
La Digue in 2021*



- Mahogany
- Badamier
- Santol
- Calice du pape
- Albizia
- Zak
- Takamaka
- Bois jaune
- Lila
- Casuarina

Volume of Timber (m³) Harvested on Praslin & La Digue Islands in 2021

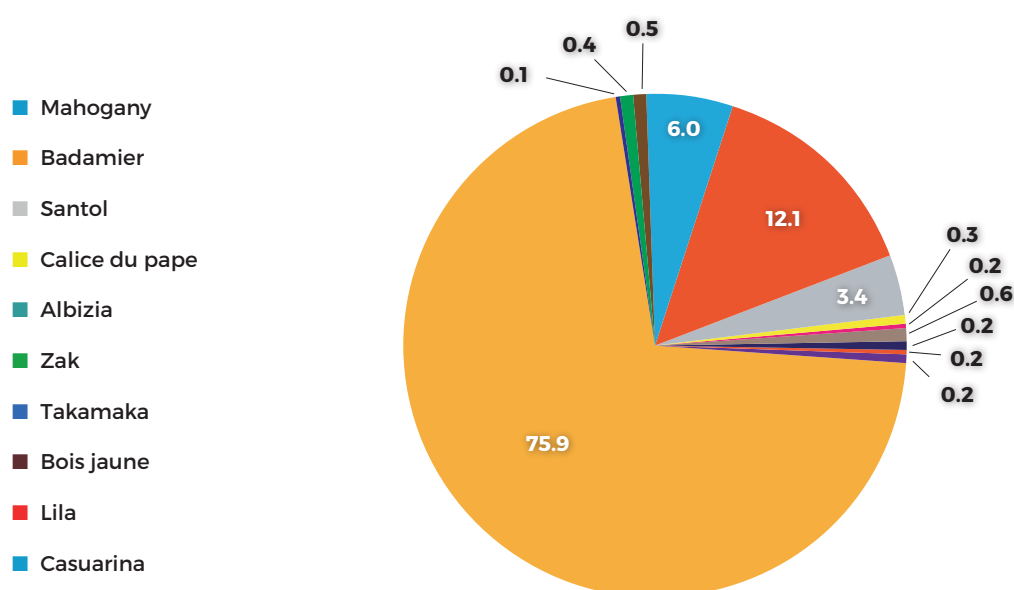


Figure 6.2:
Non-timber
products revenue
in 2021

The Forest Production Unit was created out of the merger between the Sans Soucis Forestry Sub-station and Grand Anse Forestry Sub-station. This new unit is headed by Mr. Terence Athanase and its primary tasks are to improve the management of timber plantations, create new timber plantations, and diversify non-timber forest products and forestry services being offered by SNPA.

During 2021, the unit maintained the native palm plantation at Grand Anse (2,205 m²), the Mahogany plantation at Port Glaud (2,268 m²) and the timber plantations at Trois Freres (2,775 m²) and Val Riche (1,1231 m²). The team harvested 10,000 palm (Latanier) leaves and collected 58 bags of humus. The team assisted the Botanical Garden unit to lop and trim 11 dangerous trees in the State House Garden. The nursery team propagated the seedlings of 829 *Heritiera littoralis* (Bois de Table), 200 *Mimusops sechellarum* (Bois de Natte) and 500 Mahogany in nurseries at Sans Soucis and Grand Anse.

The seedlings of Bois de Table and Bois de Natte are being planted on a site at Sans Soucis (Salazie) to offset tourist's carbon footprint. This new project the Green Footprint Seychelles Project, is a collaboration between SNPA and the British High Commission (BHC), and so far, the team has cleared and maintained an area of 1,200 m² and assisted with the planting of 400 native plants by two groups, including a Presidential delegation to commemorate the UN Climate Change Conference (COP 26). The initiative is contributing to our on-going efforts to control alien invasive plants, such as *Clidemia hirta* (Faux Watouk), in the forests and promote the conservation of native plant species.

On the management side, after the redeployment of the Senior Park Officer (officer in charge of National Terrestrial Parks) and the Forestry Officer (officer in charge of Sans Souci Forestry sub-station), the General Manager (GM) took steps to restructure the Forestry and National Terrestrial Parks section. As part of the restructuration, the post of Parks Manager was created to enhance the management of Terrestrial National Parks (appointed on 1st March 2022) and two Forestry Units were formed to revitalize the forestry operations.

Concurrently, the Department of Environment (DoE) launched the formulation of the new National Forest Policy, and the GM had been actively



Green FootPrint Seychelles Project Site, Salazie, Sans Soucis

involved in the drafting process until the validation workshop in November 2021. The GM and Forest Inventory team had a couple of meetings with the timber merchants to understand some of the pertinent issues in the local Timber Industry and these issues are now captured in the new draft Policy. Based on the discussion with timber merchants and complains from private landowners, the GM introduced some corrective measures to improve the timber allocation process (reduce incidents of timber trees being harvested from private lands) including the use of GPS technology.

The GM has also initiated a dialogue with DoE to find ways to reduce incidents of illegal tree felling and improve SNPA's work efficiency while reducing our operational cost.

Simultaneously, the SNPA Forest Inventory team met with SNPA's Finance team to review the Forestry Products and Services Price List for 2022 and came up with cost recovery actions.

It was also an exciting time for the Cinnamon Industry, as SNPA started to diversify its source of income. The GM had been active on the High Level Multi-Sectoral Working Group. So far, SNPA has signed one contract with an entrepreneur and is in an advanced discussion with another in the Cinnamon Industry.

The Morne Seychellois National Park team completed the first phase of the Morne Seychellois Nature trail reopening. This was undertaken through a contractual service sponsored by H. Savy Insurance Co. Ltd.

Morne Seychellois National Park

Hiking remains a very popular form of exercise amongst the Seychellois community, as well as means to discover Seychelles by our foreign visitors. This can be seen through various posts on social media. The small Morne Seychellois National Park Unit was throughout 2021, headed by Mr. Ronny Gabriel and consisted of 3 park rangers, 1 tree lopper and 1 forestry worker who have had to work hard to maintain the existing nature trails network in the Morne Seychellois National Park. There are eight actively managed nature trails (Copolia, Morne Blanc, Trois Freres,

Dans Gallas, Anse Major, Salazie-Fairview, Mare Aux Cochons via Le Niole/Dans Bernard and Mare Aux Cochons via Mont D'or) within this national park. In 2021, the unit completed maintenance works on seven nature trails, and repainted the shelter at Trois Freres and the Copolia's ticket office.

The team participated in four outreach activities organised by SNPA and its partners', which included an educational trip on the Copolia nature trail for future teachers from SITE, two clean ups along the nature trails of Morne Blanc and Anse Major with SACOS

and Bel Ombre District teams respectively, and a biodiversity assessment of the Mare Aux Cochons marsh with the Natural History Museum. The park rangers participated in a TV documentary program organised by the Seychelles Tourism Board and Television France 1 to raise awareness on the flora and fauna of the Morne Blanc Nature Trail whilst simultaneously advertising the trail as an eco-tourism product. They conducted an assessment and demarcation of Morne Seychellois nature trail, and supervised the clearing of this nature trail by private contractors.



Assessing the Morne Seychellois nature trail (right) & National Park Unit team during an education and awareness activity on the Copolia trail(left)

Praslin National Park, Forestry Fond B'offay

The Praslin National Park covers an area of 293.24 ha, surrounded by 18.80km of firebreaks with Parcel N0; PR 6776.

Praslin National Park consists of two sections, namely Forestry & National Park units.

The Forestry Unit's mandate is to ensure the management and sales of timber and other forest products found in the national Park, firebreaks maintenance, maintenance of timber plantations, of plants in the nursery (e.g. endemic plants, commercial plants), the allocation of timber plantations, di-

agnosis and treatment of tree pests and diseases (e.g takamaka), eradication of invasive plants, restoration of endemic plants and enforcement.

The National Park Unit's mandate is to manage the national park, conduct research on the biodiversity of the protected area, Coco de Mer management, trail management, maintenance on existing infrastructures on trails, implementation of management plans, assistance in research work, awareness programs and visitor information, assistance and enforcement.

The Praslin National Park Unit consists of three full time employees, which includes two forestry workers and one park ranger.

On the other hand, the Forestry Unit consists of eleven employees; one forest ranger, one chainsaw operator, two supervisors and eight forestry workers.

At the head office based at Fond B'offay, there is an office assistant, one maintenance officer (undertaking duties on Praslin, Curieuse and La digue), and one driver.

Sale of Forest products

Total of Other Forest Products Sold	Amount Sold	Total Value (SCR)
Humus	15	525.00
Off cuts	405.00	2,430.00
Coco de Mer Leaves	35	3,500.00
Coco de Mer Katkin	2	300.00
Latanier Leaves	3,175	12,700.00
Raffia Branches	550	11,000.00
Plants from Nursery	3	225.00
Bamboo	20	300.00
Coco de Mer Heart	2	400.00
Total	4,207	31,380.00

Figure 7.0

Sale of Timber

Species of Trees Sold	Total of Trees Sold	Total Value (SCR)
Casurina	2	1,760.04
Mahogany	57	29,604.00
Bodamien	13	19,265.68
Santol	10	8,555.52
Calice	21	10,915.09
Albizia	1	345.90
Takamaka	10	10,635.90
Bois Jaunne	2	158.00
Lila	3	289.14
Zak	2	2,030.00
Takamaka Branches	20	6,195.35
Takamaka TrunkS	1	709.14
Total	142	90,463.76

Figure 7.1

Education and Awareness

Due to the ongoing COVID-19 pandemic, not much was done in regards to education awareness, visits, and other activities.

All SNPA Fond B'offay staff participated in the Clean-Up the World Campaign in September. The team started from Hauteur Fatima to the main office, collecting litter alongside the main road.



Litter collected was mostly pet bottles, beer cans and plastics

- Two rangers, One Skills Development Programme (SDP) trainee and four forestry workers undertook Firefighting training in collaboration with the Seychelles Fire and Rescue Services Agency (SFRSA) in June 2021 under the Ridge to Reef Project.



The SNPA staff during the training(left) & receiving their firefighting training certificates(right)

- Two SNPA staff participated in the tour guiding and first-aid training which took place in October.
- Forestry staff undertook Gabion training with stakeholder SFRSA under the Environment Based Adaptation(EBA) Project in November.
- The Praslin National Park staff conducted 15 patrols and encountered two cases of Coco de Mer poaching for 2021.



Poached Coco de Mers

- One case of vandalism was recorded at the New-Come Station
- Tree planting activities took place in collaboration with Raffles Seychelles Resort and Terrestrial Restoration Action Society Seychelles (TRASS) at Pasquiere in August.



Tree planting activity at Pasquiere

Ongoing Project

Upgrading of the Glacis Noire Trail in order to meet standards to become SNPA's first payable trail on Praslin.

The trail path has been fixed with big fishing net which has been laid on the existing road to avoid erosion. With the help of SFRSA, the drainage system has also been repaired.



Ongoing work on the Glacis Noire Trail

Veuve Special Reserve

In 2021, the La Digue Veuve Special Reserve experienced a year of significant challenges due to the COVID-19 pandemic affecting its daily operations. The year started off very slowly with limited sales and as global situation began to improve the Reserve staff persevered to meet up with their targets and objectives. The team started the year with 5 staff and in October 2021 one staff resigned from work.

The work and activities showed improvements in a number of aspects.

- Maintenance of eco-tourism facilities: site, trails & infrastructure
- Maintenance of eco-tourism facilities: two trails outside the Veuve Reserve
- Biodiversity monitoring on key species: Seychelles Paradise Flycatcher (veuve)
- Wetland maintenance
- Management of the Visitor Centre / implementation of education & outreach programs: tour guiding
- Plant propagation in the nursery
- Up-keep of the SNPA office and grounds / Tool maintenance / Litter collection
- Enforcement: Management / control of access
- Forestry work: Tree management (Tree Felling operations)
- Preparation of weekly & monthly work programs, reports, & assessment reports

Seychelles Black Paradise Flycatcher Monitoring

Monitoring of the flycatchers was carried out during the third and last quarter of 2021 (during the breeding season).

Number Breeding pairs = 11

Number of nests = 14

Number of successful fledges = 4

Visitor Statistics of the Veuve Special Reserve

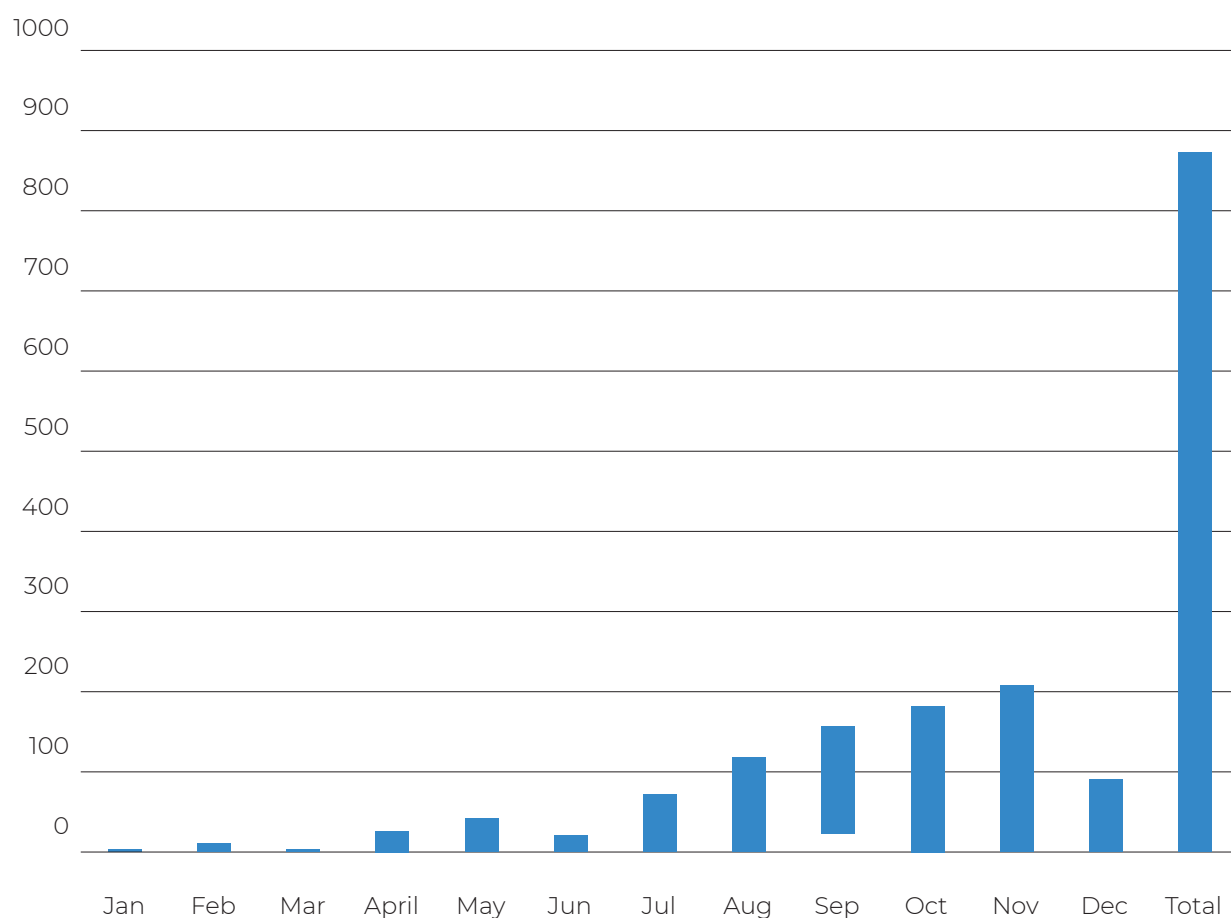


Figure 8.0: Monthly and annual visitor statistics to the Veuve Reserve.

Visitation to the Reserve was very low during first quarter of the year. From July onwards the numbers started to increase gradually. November was the month with the most visitors (this was the case at most sites and nationally too). Most tourists visiting are not choosing the guided tours, which makes up only 5.6% of total tickets sold. From January to December 2021, the Veuve Reserve sold 825 non-guided tickets and 46 guided tickets, providing a total of 871 tickets sold.

Sale of Products

Coco de Mer

For the year 2021, the Veuve Special Reserve Information Centre sold a total of 7 Coco de Mers.

Other Activities

Month	Activity
April	Labour Day Activity – Staff participated jointly with URS .
June	Maintenance and clearing of trails were conducted on Nid D'aigle Trail.
July	Tree felling operations were undertaken to remove dangerous trees in the Veuve Reserve. The activity was conducted throughout 3 days.
	World Ranger Day – Staffs of the Veuve Reserve and Ile Cocos Marine operations unit teamed up to clean-up the Veuve Reserve.
September	Clean-Up the World Campaign - Clearing the Anse Songe Trail. A total of 5 bin liners of litter was collected.
October	Tour Guiding / First Aid Training – 2 Veuve Reserve staffs attended the training on Praslin / La Digue.
	A group of school children from La Digue planted 25 trees in the Veuve Reserve, namely 12 Bwa dir and 12 Bwa natte.
November	SNPA staff participated in a coastal tree planting activity at the Grand Anse beach. The activity was organized by the La Digue Farmers Association. SNPA also assisted them with 25 plants and tools.
December	Staff assisted a group of Eco –School leaders from Mahe / Praslin on a night safari adventure in the Veuve Reserve. The activity was a success and many species were observed in the park.
	End of year meeting with the CEO



Cleaning of the Anse Songe Trail (left)& Tree planting in the Veuve Reserve(right)

GARDENS

The Botanical Garden



The prestigious Botanical Garden, located close to the capital Victoria, provides visitors quick and easy access to nature. The beautiful Garden boasts over 280 plant species, from endemics to ornamentals. Its most popular attraction is the Giant Aldabra Tortoises, which one can feed during their visit. Although it started as an agricultural station in 1901, by the middle of the twentieth century the Botanical Garden had become a public park with added landscaping skills providing a more beautiful Garden for its visitors. One of the most visited conservation sites in the country, as the Garden is very popular amongst locals and tourists alike. The many attractions of the garden in-

clude Coco de Mer plants, a huge variety of ornamental and native plants, a cafeteria and the Thai and Chinese Gardens. This pristine ex-situ conservation site, provides a relaxing setting as well as fantastic photo opportunities. For many years the garden has been used as a tree planting site for visiting dignitaries. The most famous of all is the Duke of Edinburgh, who planted a Coco de Mer seedling in 1956. This particular palm tree currently yields the largest number of nuts within the Garden. The Botanical Garden is a national monument and was established in 1901 by a Mauritian agronomist, P R Dupont, during a time of renewed interest in agriculture. The first plant col-

lections were timber trees, palms, spices, fruit trees, aromatic plants and anything that proved of value to the colony at the time. Mr. Dupont remained the director of the station until his retirement in 1934.

During a transformation phase in 2021, Mr. Raymond Brioche, former CEO of the National Botanical Gardens Foundation (NBGF) parted ways with the organization. From then on Mr. Eric Sopenhola was appointed as the manager of the Botanical Garden whilst also overseeing the management duties of the State House Garden. Between the two gardens, there are 15 Staff based at the Botanical Garden and 11 based at the State House Garden.

Botanical Garden Visitor Statistics

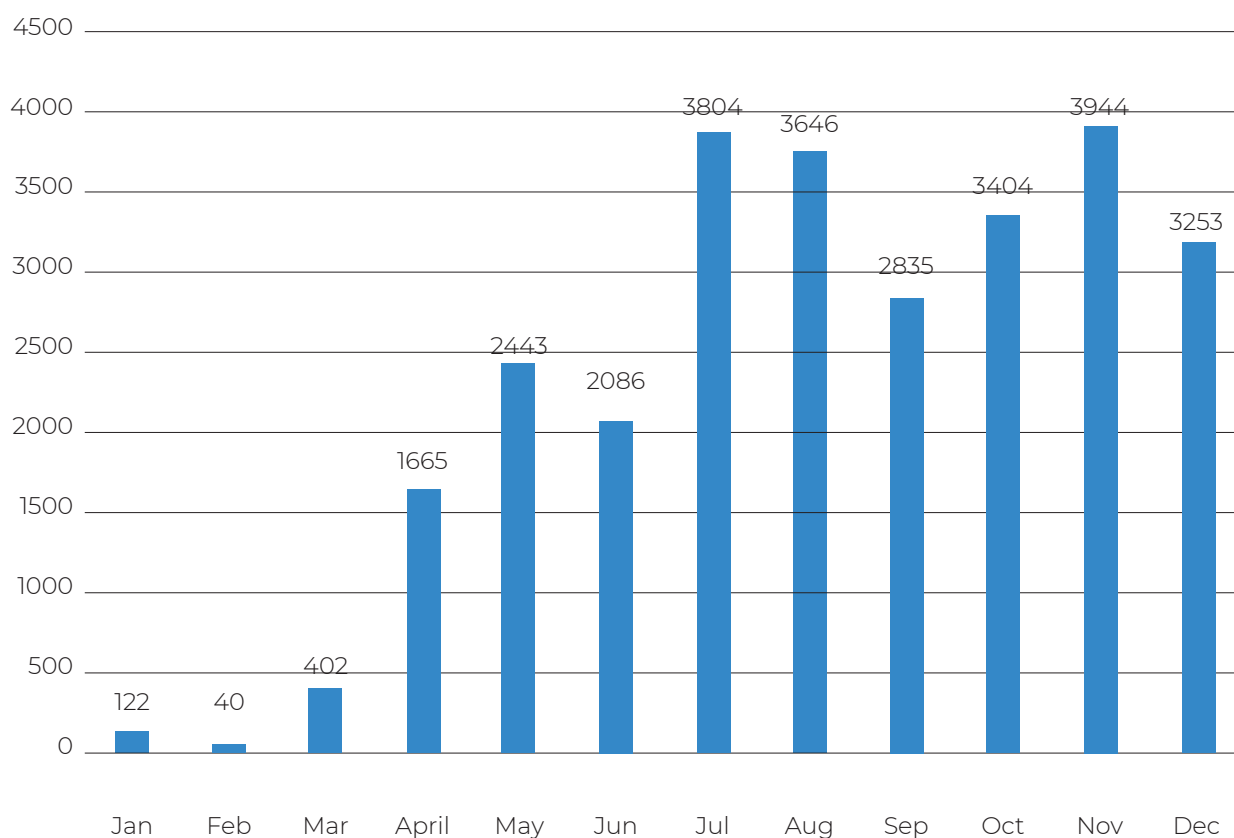


Figure 9.0 Monthly number of paying visitors to the Botanical Garden

In 2021 the Garden received 27,644 paying visitors. Visitation was very low for the first two months of 2021. February recorded the lowest rate of visitation for the year with only 40 visitors. During the second quarter visitor numbers steadily started to pick up. There was a noticeable peak of 3,804 visitors in July, however the numbers started to fluctuate. The major peak of 3,944 was recorded for the month of November. Records show that most of the clients to the Garden are walk-in clients, with Destination Management Companies (DMCs) on average contributing for less than 10% of the clients to the Botanical Garden.

Main Activities undertaken from July – December 2021

- General cleaning of the Garden to ensure standards are kept.
- Dangerous tree removal was undertaken to reduce the risk of accidents to visitors and to avoid damage to assets.
- Construction of a side gate at the main entrance to the garden. This was to funnel the visitors to the Garden towards the COVID-19 monitoring kiosk.
- Construction of a second gate at the main entrance. This was deemed necessary to control the flow of visitors to the Garden during peak season or when there are high volumes of visitors for example during the cruise ship season.
- The refurbishment and reopening of the Cafeteria; the café had remained closed for over a year. Significant work had to be undertaken to allow the café to meet the required standards as per the requirements of the Ministry and as per the standard of product which SNPA wanted to deliver. Towards the end of the year, in November 2021 the works were completed and the café was handed over to the new operator.



The new gate at the entrance



The renovated cafe

Visit of the Thai Ambassador to The Seychelles

On September 15th 2021, H.E. Miss Sasirit Tangulrat, the Ambassador-Designate of the Kingdom of Thailand to the Republic of Seychelles, visited the Botanical Garden. The Government of Thailand has in the past collaborated with the National Botanical Gardens Foundation (NBGF) on a number of projects such as, the development of the Thai Garden and Tissue Culture Lab. Under a Memorandum of understanding, the Thai Government supported the Botanical Garden in the fields of horticulture, botany and ethno-botany, biotechnology, education and biodiversity conservation. Personnel of the garden have benefited immensely from capacity building programs organized through the great relationship between Seychelles and Thailand. Also, present for the visit was the Director of the Seychelles Institute for Agriculture and Horticulture (SIAH) Ms. Marie-Anne Marie.

The highlight of the visit was the planting of a Coco de Mer seedling in the Botanical Garden by the Ambassador. Prior to that, the ambassador and her officials met with CEO of SPGA, Mr. Allen Cedras; Manager of the Botanical Garden, Mr. Eric Sophola and other SNPA staff and the Director of SIAH Ms. Marie. During the discussion, both sides spoke about renewed partnerships, and the CEO also gifted the Ambassador a Coco de Mer. H.E. Ms. Sasirit Tangulrat toured the Thai Garden, visited the giant tortoises and enjoyed some local refreshments.



Thai Ambassador, CEO Cedras and the delegation

Indian High Commission Coco de Mer Planting

In October 2021, the Indian High Commissioner to Seychelles was invited by SNPA to plant a Coco de Mer in the Garden. The invitation came considering the good working relationship between the embassy and SNPA.



CEO Cedras and the Indian High Commissioner

National Biodiversity Centre

In early 2021, the President of Seychelles announced government plans to restructure which included the merging of the National Botanical Gardens Foundation (NBGF) and the Seychelles National Parks Authority (SNPA) into a new entity: The Seychelles Parks and Gardens Authority. Subsequently, the CEO, Mr. Allen Cedras appointed the interim National Biodiversity Centre Manager to Mrs. Nathachia Einfeldt and her assistant Mr. Damien Doudee, both with

extensive knowledge and experience in conservation. There are 19 other staff that are dedicated to taking care and maintaining the garden.

The National Biodiversity Centre located at Barbarons, was first introduced in 1998 but formally launched to the public in 2014. First of its kind in the Indian Ocean, the 17 hectares of land aims to conserve and showcase the Seychelles' wide range of flora by allowing visitors to experience the vegetation of different

ecosystems present in Seychelles. Besides its commitment to offer a unique visitor experience when visiting the garden full of endemic and important indigenous plants of Seychelles, the Biodiversity Centre also boasts a nursery. This facilitates local residents to obtain seeds and seedlings for replanting in their own gardens and contributes towards the national effort to conserve the rare and endangered plants of Seychelles.

Functions of the Garden

- Contribute to the conservation of endangered plants of Seychelles through ex situ conservation programs.
- Undertake specialist services such as plant identification and offer specialist consultancy services.
- Deliver services of a high standard and in particular provide visitors with an enjoyable experience in the garden.
- Promote the participation of the government, the public and businesses in conservation work.
- Seek grants for project development and implementation.
- Provide gardening and landscaping services, guided tours, and similar services.
- Engage in commercial production and sale of plants and carry out other functions that are conducive to the attainment of the objectives of the National Botanical Gardens Foundation Act.

Minor Maintenance Works

Over the course of the first few months under new management, certain necessary maintenance works were undertaken such as the improvement of infrastructures, office spaces were repainted, floodlights were installed to improve night surveillance, facilities such as bathrooms were refurbished and in view of the current COVID-19 pandemic there was a necessity to install more electronic sanitizers on site.

Statistics

Visitors statistics

Initially, there was no collection of visitor data to the garden, therefore a new template was designed to record visitor's information such as their nationality and satisfaction with the garden experience offered. This is now actively being recorded by the Biodiversity sales staff. Summarized below are visitor statistics of the Biodiversity Centre for the year 2021:

Month	Number of Visitors
July	29
August	48
September	32
October	36
November	39
December	16
Total	200

Figure 10.0 Visitor statistics to the National Biodiversity Centre, 2021

Review of Prices and Total Plants Sold

The previous price list for plants sold to the public was revised, and marked an increase of 30% to 200% in price. The new price takes into consideration the ecological importance of the species (endemic), size (breakdown of price according to height) and maturity. Figure 10.1 below shows the total number of plants sold and revenue generated for 2021.

Month	Ornamental	Endemic	Medicinal	Rare fruits	Total Plants sold
July	69	13	0	0	82
August	94	22	42	0	158
September	302	22	10	9	343
October	64	17	2	1	84
November	24	45	2	0	71
December	32	48	4	4	88

Figure 10.1 Plants sold.

Generation of Additional Revenue

Biodiversity centre has started advertising a new product in order to generate more revenue that is, selling of wood chips for 75 /- per grain bag.

Donations and Tree Planting Activities at the National Biodiversity Centre

A total of 191 plants were donated to private or governmental organizations as summarized in the table below:

Institute/Organization	Reason	Number of Plants
International school Seychelles	To commemorate Conservation day and to add more endemic species to the school landscape	8
Prison Services	To celebrate prison week. A tree planting activity was held at the Montagne Posee Prison	30
Bel Ombre DA's Office	To beautify office space in exchange for maintenance of Anse Major Trail	15
Botanical Garden	To plant at the Botanical Garden	79
Rotary Club of Victoria and Grande Anse Eco-School	To support conservation efforts in Seychelles (annual activity).	30
Soroptimist Club	To celebrate 100th Anniversary of the club, thus conducting a symbolic planting activity in the garden	4
Montessori International School	The school is participating in the "Call to Earth" program where the kids are encouraged to participate in a sustainable activity monthly	15
Mrs. Marie-Pierre Lloyd	Ex Ambassador with her family wanted to make a green contribution by planting several trees in the garden at Biodiversity Centre	10
	Total	191

Figure 10.2 Donated Plants

Major Guest Visits and Events in the Garden

Minister of Investment, Entrepreneurship and Industry

The National Biodiversity Centre welcomed its first distinguished guests under the new management, Ms. Devicka Vidot, Minister of Investment, Entrepreneurship and Industry. Minister Vidot visited to evaluate the business potential of the garden and assist in securing investment and funding to further develop targeted projects.

Deputy CEO of the Seychelles Investment Board(SIB)

Another high level visit was from the Deputy CEO of the Seychelles Investment Board(SIB), Mr. Lenny Gabriel and his team. The CEO discussed sustainable development opportunities in the garden, whilst another meeting was subsequently scheduled for the main office, whereby both parties agreed on the proposition to draft an MOU for further collaboration.

Visit by the Thai Ambassador

The Thai Ambassador for Seychelles visited the garden in addition to the official discussions of the continued cooperation with the Kingdom of Thailand. Interim Biodiversity Centre Manager produced a list of priority activities and tentative timelines for laboratory trainings (tissue culture and Invitro) that staff will benefit from in 2022.

Visit by SNPA Partner Global Vision International(GVI)

Global Vision International conducted a visit in the garden with all their volunteers. They benefited with complimentary entry into the garden and guided tours by our experienced staff.

Anse Royale Secondary School Students

A group of Anse Royale Secondary students visited the garden as part of their holistic learning experience, and to boost their mental health wellbeing whilst being in a green space. In addition, to encourage them towards the importance of preservation work, possibly career options, and to build up their environmental knowledge.

Neil Barallon (Beekeeper)

In December 2021, Mr. Neil Barallon successfully installed several bee hives in the garden along with signs alerting visitors of the presence of honeybees in the eventuality that they are allergic to bee stings. Other individuals are showing the same interest, of introducing bee hives in the garden however, only a targeted amount will be allowed in view of the carrying capacity of the garden in terms of flowering plants availability.

Constance Ephelia Resort

The General Manager, Landscape Manager and Environment Project officer from Ephelia Resort visited the Biodiversity Centre as a prospective area for their clients. The Ephelia representatives who toured the entire garden were amazed by the natural beauty of the centre and recommended that we hire a tour guide to assist visitors as there is a lack of signs and information on the species available in the garden. It is to be noted that at present the garden records a rather low number of foreign visitors and hence why management relies on such institutions to market the garden to their clients. This continued understanding will bring a mutual benefit to the hotel also, since there are few sites of attraction on the western side of Mahe for their clients to visit.

Montessori School

An official meeting was held between the Director of the Montessori International School, CEO Cedras and the Interim Manager of the Biodiversity Centre for facilitating the school with planting activities for their “Call to Earth Project”. The project entails that the students should participate in a green activity every month for a year and in line with such the students successfully planted a total of 30 native trees in the garden as their first activity. This programme is expected to continue in 2022 and more activities will be targeted elsewhere in the National Parks to restore degraded habitats.

The Children’s House

Ms. Lucy from the Children’s House approached SNPA to assist in designing and recommending plant species for their natural playground and discovery area project for the small kids. After conducting a site visit to the proposed site, Mr. Damien Doudee of SNPA was more than happy to recommend a list of species that will be adapted in the area and also attract different organisms for the children to interact with. This was an opportunity for the company to contribute in a small way towards the community and support the nurturing of children in the right environment for their holistic development.

Rotary Club of Victoria

The Rotary Club of Victoria joined SNPA and students from Grand Anse Primary Eco school for a tree planting activity at the Biodiversity Centre. 30 native plants were planted in the garden namely: Bwa Sandal, Bwa kwiyer and Bwa sousouri. The tree planting activity was attended by a few members of the Rotary Club including their President Mrs. Angele Low who in turn also donated a picnic table to the centre which will be put to good use for the international and local visitors to enjoy. The opportunity was also taken to award the students with certificates of participation for their respective Eco-School.



*Mr. Doudee aiding
Mrs. Angele Low*



Group photo after the planting ceremony

Soroptimist International of Victoria

As part of the 100th Anniversary of Soroptimist International of Victoria, a symbolic tree planting activity was conducted at the National Biodiversity Centre. In honour of this Anniversary, two benches were proudly placed in the garden for the benefit of the visitors.



*Members of Soroptimist
planting a Bwa Sagay in the
garden*



Souvenir photo

Research and Documentation Section

Personnel

The Research and Documentation team (Research team) headed by Mr. James Mougat (Director of Research Section), consisted of a Senior Research Technician, and three Research Scientists

Duties of the Section

- Develop, coordinate and support conservation monitoring programmes.
- Develop, manage and implement natural and social science research projects.
- Carry out monitoring and evaluation of conservation projects and programmes.
- Document and manage the organisation's ecological data and produce scientific reports.
- Coordinate and manage conservation related partnerships and projects.
- Build capacity of the organisation to undertake research and biodiversity monitoring programmes.
- Provide scientific and technical advice on national policies and strategies in relation to protected area management to the parent ministry, (the Ministry of Environment, Energy and Climate Change).
- Support education, outreach and awareness conservation programmes

Projects

SNPA has been actively participating in six main projects. There has been significant progress made with regards to two projects which SNPA is involved with, namely the GOS-GEF-UNP Ridge-to-Reef (R2R) Project and UNDP/Adaptation Fund (AF) Coral Reef Restoration Project, whereby 80% of planned activities were completed. Over the course of the AF Project, SNPA plans to restore 1ha of coral at Curieuse. So far, three coral nurseries have been set up and seven donor sites have been identified, with coral out planting technique trials to be conducted in 2022 and coral transplantation planned for 2023. The R2R Project has helped SNPA strengthen its ability to undertake conservation monitoring (producing a marine species identification guide), enforcement (acquiring surveillance equipment, adopting marine operations standard operating procedures), and promote the protection of marine biodiversity through public education and the creation of safe, eco-friendly recreational areas (developing a snorkel trail plan for Port Launay).

Conservation Monitoring

Long-term conservation monitoring programs conducted by Global Vision International (GVI) in partnership with SNPA, for coral reefs at Cap Ternay, beach profiling, Coco-de-Mer, lemon sharks, mangroves and sea turtles at Curieuse are continuing.

SNPA co-authored on a peer-reviewed publication that appeared in the journal *Marine Biology* in December 2021, which presented the results of the long-term coral monitoring dataset (2005-2018), documenting the response of coral reefs of northwest Mahé in the granitic Seychelles islands following the 1998 and 2016 mass bleaching events. Coral cover increased almost fourfold from 2005 to 2015 and highlighted the dominant role of *Acropora* and branching corals in recovery from mass coral bleaching events. It also showed the importance of time-series datasets in understanding coral recovery dynamics and their use in an integrated management approach to building reef resilience.

A Seychelles Paradise Flycatcher (SPF) monitoring survey was completed during December 2021. It was determined that the overall population is doing well. A total of 23 birds were observed across 10 territories. The plan for 2022, is to continue with frequent monitoring of SPF, implement coastal reforestation across Curieuse as part of the R2R activities, and develop an action plan to implement effective methods of controlling myna and rat populations.

Partnerships

Contributions have been directed towards fostering partnerships, both in a leading or supporting role. Memorandum of Understandings with CludMed, WiseOceans, and GVI have been signed strengthening these partnerships.

Support

Finally, the research team has been involved to a large extent in supporting other sections within SNPA in implementing some key activities and events. For example, the Research team helped the National Park Rangers map trails in the Morne Seychellois National Park, and the distribution of endemic/protected species at Mission Lodge. The team also assisted the Biodiversity Centre staff map the Centre's boundary and beacons and, aided in the production of the Praslin National Park Management Plan (2021-2025), and SNPA's new Strategic Plan (2022-2026).

Projects being Implemented

#1 Project Title	Restoring Marine Ecosystem Services by Rehabilitating Coral Reefs to Meet a Changing Climate Future				
Donor	UNDP/ Adaptation Fund	Duration	2020 – 2026	Budget	USD 423,800
Objective	Reduce the impact of climate change on local communities and coral reef-dependent economic sectors in Mauritius and Seychelles by implementing coral reef restoration with thermal tolerant corals as adaptation to climate change.				
Activities during 2021	<ul style="list-style-type: none"> • Grant agreement between the Ministry responsible for Environment (MECCE) and SNPA was signed on 13th March 2020. • Project partners attended a Social and Environmental Safeguard training between 8th -10th November 2021. • Over the course of the project SNPA plans to restore 1ha along Baie Laraie, Anse Papaie, Grand Anse reefs. The plan is to propagate around 3-4,000 coral fragments per year in five sea-based coral nurseries. • So far, three coral reef nurseries have been established in front of Anse Papaie. The rope nurseries have been filled with a total of 1,757 coral fragments (1,725 Acropora sp., 28 Pocillopora sp., 2 Porites sp., 1 Pavona sp., 1 Galaxea sp.). Seven coral donor sites have been identified and mapped, namely St Pierre, La Reserve, Baie Laraie, Anse Papaie, Grand Anse, Baie Ste Anne Jetty, and New Emerald Cove Reefs. • A 12 month pilot project will be trialled during 2022 to identify the best techniques to out plant corals on the reefs. 				

Figure 11.0

#2 Project Title	A Ridge to Reef Approach for the Integrated Management of Marine, Coastal and Terrestrial Ecosystems in the Seychelles				
Donor	GOS-UNDP-GEF	Duration	2019 – 2025	Budget	USD 287,500
Objective	Undertake a comprehensive Ridge to Reef (R2R) approach that addresses the ‘whole island’ priorities of improved management and conservation of upland forest and agricultural ecosystems, as well as coastal and marine ecosystems in the Seychelles to produce global benefits in terms of conservation of globally significant biodiversity and the effective management of large marine ecosystems (including coastal and near-shore marine ecosystems), and to arrest and reverse ecosystem degradation.				
Activities during 2021	<ul style="list-style-type: none"> • A capacity needs assessment of all project stakeholders was completed. • An Underwater Trail set up protocol for Port Launay MP was produced, with a goal to promote the protection of marine biodiversity through public education and the creation of a safe, eco-friendly, and quality recreational area. • A Biodiversity Survey was carried out on Curieuse island between 2nd – 6th November, to map the mangrove forest and monitor associated flora and fauna. • Improved conservation monitoring capacity with the production of a Marine Species Photo Identification Guide which serves as a quick reference document for SNPA Rangers in the field. • Strengthened MPA monitoring and enforcement capacity with the purchase of new boats, cameras, and production of new Marine Operations Standard Operating Procedures (SOPs). • 80% of the coastal reforestation plan on Curieuse under Phase I was completed. • Rehabilitation of marine turtles nesting platforms at degraded sites on Curieuse was completed. 				

Figure 11.1

#3 Project Title	Seychelles Seagrass Mapping and Carbon Assessment				
Donor	PEW Charitable Trust	Duration	2020 – 2022	Budget	--
Objective	Map the distribution of seagrass beds and to collect coring samples which will be used to calculate the amount of carbon stored in our seagrass meadows.				
Activities during 2021	<ul style="list-style-type: none"> • A training workshop was held at the University of Seychelles on the 26th to 29th of October, to which 4 SNPA staff attended. • Participants were taught about blue carbon and its corresponding ecosystems, how to identify the seagrass species, and about the different methods that will be used to collect and analyse field data that will be used by the Oxford researchers. • The workshop also included practical sessions whereby the participants mapped the seagrass distribution and collected core samples at Anse Royale - Bougainville region. • Skills acquired will be used by various organisations to quantify the area of Seagrass distribution and the soil carbon content a first-time estimate of carbon stock for seagrass meadows in Seychelles will be generated. • SNPA staff have helped with the mapping of seagrass at Baie Ternay and Ste Anne. • Ultimately, data collected will enable Seychelles to quantify its 'blue carbon' storage capacity and will provide the Government of Seychelles, with the information they need to update and include the protection of seagrass in their Nationally Determined Contributions (NDCs) as a nature-based solution to climate change. 				

Figure 11.2

#4 Project Title	The Green Footprint Project				
Donor	British Visitors	Duration	2021 - 2022	Budget	--
Objective	Address the carbon footprint of Seychelles' long-haul travellers and build climate resilience through the tourism industry by involving tourists in restoring terrestrial/coastal land areas with appropriate native/endemic tree species.				
Activities during 2021	<ul style="list-style-type: none"> • Three tree planting activities were implemented near the Salazie trail in the Morne Seychellois National Park, in collaboration with the British High Commission (BHC). • A total of 660 plants out of 900 plants have been planted across 3,500m². A remaining 240 plants will be planted by mid-march 2022. The rapid growth on invasive at both sites is demanding more time and human labour for maintenance than previously expected. • The last activity to conclude phase 1 will take place on the 22nd March at Salazie with the COP26 delegation. 				

Figure 11.3

#5 Project Title	Sea Turtle Tracking Study in Ste Anne Marine National park				
Donor	European Commission, the French Ministry of Overseas territories and the Regional Council of Reunion Island	Duration	2020 - 2022	Budget	--
Objective	Improve knowledge on the origin and spatial dynamics (i.e. movements at sea) of hawksbill turtle populations in the Western Indian Ocean.				
Activities during 2021	<ul style="list-style-type: none"> • Five satellite tags were deployed on five nesting females in 2021, of which 2 stopped transmitting within four weeks. • 17 DNA samples have been taken, with another 13 remaining. • So far, re-sightings from 2013-2018 show that turtles come back to St. Anne every 3 years on average (2 or 4 exceptionally) and it would be good to look at several consecutive years to take into account possible inter-annual differences. • A data sharing agreement was produced and a technical report on their findings will be produced by June 2022. 				

Figure 11.4

#6 Project Title	Locally Empowered Area Protection (LEAP)				
Donor	International Climate Initiative of the Federal Republic of Germany	Duration	2020 - 2022 September 2019 - March 2023	Budget	--
Objective	Increase the resilience of coastal ecosystems by taking a democratic and shared approach to governance of the Port Glaud Ramsar site, Baie Ternay and Port Launay Marine National Parks.				
Activities during 2021	<ul style="list-style-type: none"> • An MoU was signed between SNPA and Nature Seychelles on the 3rd December 2020. • A Participatory Marine Biodiversity Assessment of the Baie Ternay and Port Launay Marine National Parks was completed and report produced by Nature Seychelles. • This data will be used as baseline information on which future biodiversity in the parks will be monitored and measured, in order to improve the understanding and management of these ecosystems and measure conservation impact. 				

Figure 11.5

#7 Project Title	PAREO (Patrimoine Recifal entre nos mains Ocean Indien)				
Donor	FEDER INTERREG for regional cooperation (Europe, French Government, and Reunion Regional Council)	Duration	2020 - 2021	Budget	--
Objective	Provide scientific and pedagogical support to teachers during a school year, to transmit the scientific knowledge acquired on coral reefs, to encourage the connection of students to this environment and to develop concrete conservation action to participate in their preservation.				
Activities during 2021	<ul style="list-style-type: none"> • The project was inactive at the start of January and February as the schools were closed due to the sudden outbreak in the Covid-19 pandemic. • Those two months were dedicated to budget adjusting with accounts and preparation and planning for the school project. Ample communication had to be done with the NGO's and the schools to discuss adequate ideas for the different school projects before agreeing on three suitable ones. • Each school was scheduled to have three sessions with their NGO to complete their school project. Takamaka Primary School partnered up with: "Sea Turtle Friends", Port Glaud partnered up with "GVI" and Beau-Vallon school, partnered up with "MCSS". • The Takamaka School project with Sea Turtle Friends was the creation of information boards on two popular sea turtle nesting beaches about the relationship of coral reefs with sea turtles to raise awareness to the general public. • Port Glaud School with GVI developed a calendar of reef species that they saw while snorkelling in the Cap Ternay Marine National Park. • Beau Vallon School with MCSS developed an art piece of an underwater coral nursery using recycled waste that they collected on Beau Vallon beach. • The final restitution took place at the Botanical Garden Café where the kids got the opportunity to explain to stakeholders and their community what they have learned and how they want to administrate changed behaviour from their knowledge and experience they now have. They also displayed their work from their school and art project done prior. • In April during the school holidays the school Field trip was organized where the three schools went on a glass bottom boat tour on three separate days of the St. Anne Marine National Park and a tour on Ile Moyenne. • September was used to prioritize the final report of the PAREO Project before the project concluded. • PAREO Phase 2 will start by mid-year of 2022 and it will target 5 schools instead of 3. The specific schools are yet to be determined. 				

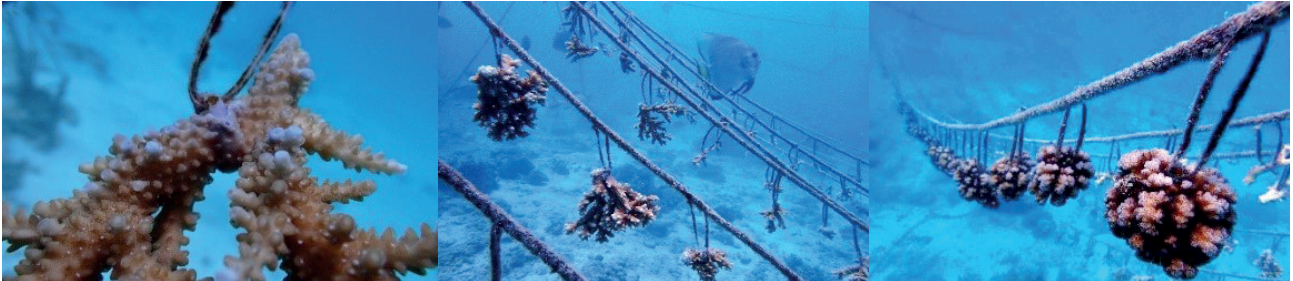
Figure 11.6

SNPA Partnerships

Organisation	Duration	Purpose
Club Med Resort Seychelles / WiseOceans	2nd Dec 2021 to 1st Dec 2022	Implement reef restoration, snorkel trails, environmental education and outreach activities in the Ste Anne Marine National Park.
Global Vision international (GVI)	1st Oct 2021 to 30th Nov 2025	Implement marine and island conservation programs within the Baie Ternay and Curieuse Marine National Parks.

Figure 11.6

Coral Reef Restoration project at Curieuse Marine National Park



Paradise Flycatcher Monitoring on Curieuse Marine National Park



Mangrove Biodiversity Survey on Curieuse Marine National Park



Green Footprint Carbon Offsetting tree planting activity at Salazie



Seychelles Seagrass Mapping and Carbon Assessment training workshop



PAREO school project with NGO's



Finance Section

The Finance section consisted of six full time employees with five staff located at the head office and one staff at Veuve Reserve office on La Digue. The Section has undergone some major structural changes as of October 2021, to take into consideration the increased responsibilities of the announced merger of the SNPA and the NBGF.

Firstly, Ms. Lya Docteur was appointed as Chief Financial Officer(CFO). Secondly, the accounts unit functions were split into two sections namely the expenditure section and the revenue section. Mr. Anderson Nourice was assigned the post of Financial Controller for Expenditure, whilst Mr. Stephen Servina was assigned as the Financial Controller for Revenue.

In all, the Finance section is made up of:

- One Chief Financial officer
- Two Financial controllers
- Two Accounts Technicians
- One Accounts Assistant

Duties of the Finance Section

- General management and supervision of the accounting operation
- Advise, guide and support management on financial matters and procedures
- Ensure proper fiscal control
- Ensure financial statements are prepared for audit purposes

Innovation Aspects

Introduction of Online E- Ticketing Platform

The Authority has invested in an online e-ticketing system with the financial backing and support of GoS-GEF-UNDP Protected Area Finance (PA Finance) project, and the launch was done on May 3rd 2021. The expected benefits of the online E- Ticketing platform are to modernise the way in which SNPA operates in regards to the sales of marine park entrance fees, which was mainly through cash transactions.

Other benefits were to:

- Broaden the sale outlets available for entrance fees
- Reduce human intervention with sales of ticket
- Reducing the risks associated with handling of cash transactions
- Faster accessibility to sales transactions through the system

Switching to E- Banking Facilities

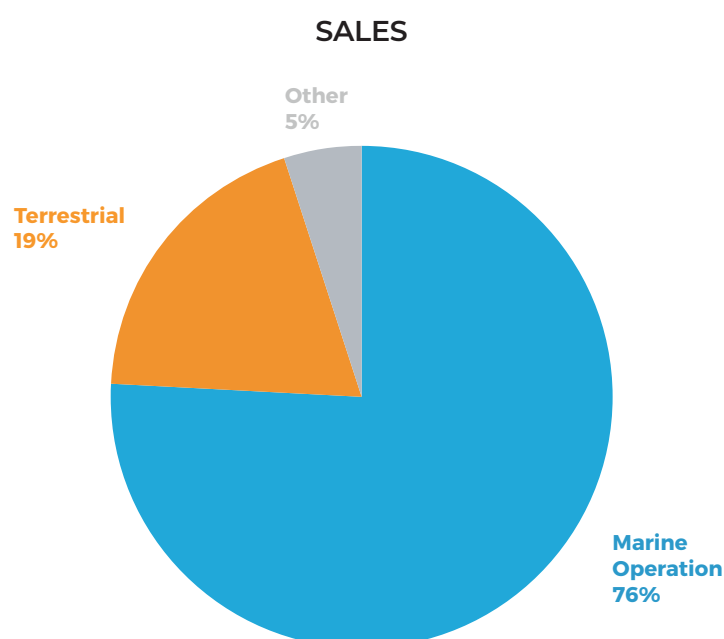
The Authority has also switched from a manual payment system to digitalization, using the e-Banking platform as of November 2021, making payment to creditors much faster.

Set-Backs

The COVID-19 pandemic has significantly affected SNPA sales receipts and as such, the Authority has to reassessed its priorities to match the current situation. Luckily, the GOS was keen enough to offer a life-line and subvention for SNPA salaries for the year, to the value of SCR15.4 Million.

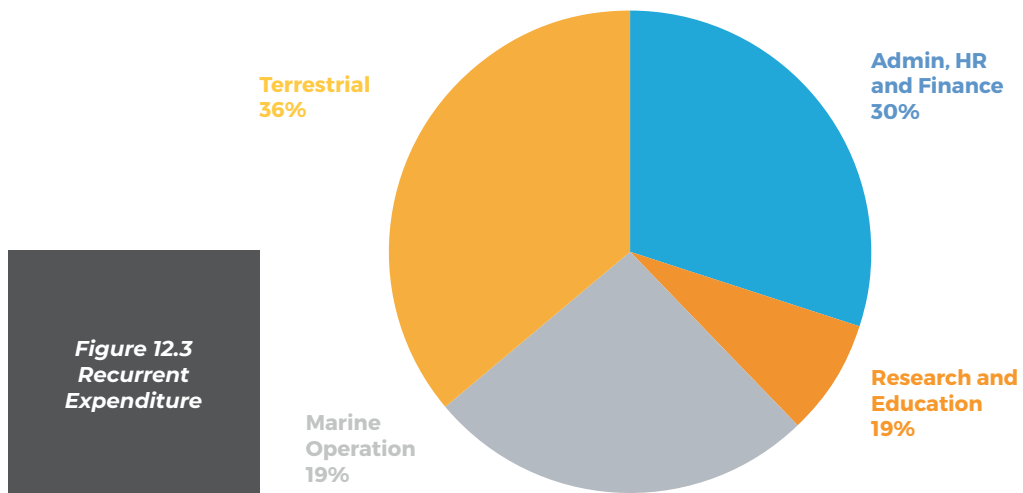
SNPA Receipts Collection from Normal Operation

The tables and charts below represent the receipts collected from three different cost centres (Figure 12.0) and recurrent expenditure from each section (Figure 12.1).



*Figure
12.2
Sales by
Section*

Recurrent Expenditure



SEYCHELLES NATIONAL PARKS AUTHORITY

Profit & Loss YTD Comparison

January through December 2021

		Jan - Dec 21
INCOME		
Hire of Facilities	GVI Facilities Baie Ternay	
		376,723.74
	TOTAL Hire of Facilities	376,723.74
Others		
	Toilet Fees Copolia	635.00
	Miscellaneous	
		12,993.05
		224,200.00
		90,521.00
		15,080.54
	Total Miscellaneous	342,794.59
	Total Others	343,429.59
Products		
	Indigenous Plants	9,065.00
	Ornamental Plants	7,670.00
	Medicinal Plants	40,370.00
	Coco De Mer Kernel	335,849.64
	Forestry Products	514,013.96
	Coco De Mer Nuts	1,393,437.09
	Total Products	2,300,405.69
Mooring Fees		
	Curieuse-BaieLaraie Mooring Fee	6,750.00
	Baie Ternay	43,034.48
	Ile Coco Mooring Fees	2,566.81
	Ste Anne Mooring Fees	109,664.15
	Curieuse-Anse Jose Mooring Fees	192,777.47
	Mooring Fees - Other	1,000.00
	Total Mooring Fees	355,792.91
	Entrance Fees	
	Trails and Reserves:	
	Veuve Reserve Entrance Fees	135,550.00
	Copolia Entrance Fees	499,014.06
	Total Trails and Reserves	634,564.06

SEYCHELLES NATIONAL PARKS AUTHORITY

Profit & Loss YTD Comparison

Marine Parks		
	Curieuse Entrance Fee-Anse Jose	638,694.48
	Curieuse Entrance Fee-BaieLaraie	6,202,949.10
	Ile Coco	631,600.00
	Ste Anne	2,426,162.51
	Baie Ternay	1,120,850.08
	Total Marine Parks	11,020,256.17
	Entrance Fees - Other	0.00
	Total Entrance Fees	11,654,820.23
	Rental of Facilities:	
	Barbecue Area Rental-BaieLaraie	162,828.01
	Total Rental of Facilities	162,828.01
	INCOME - Other	4,916.50
TOTAL INCOME		15,198,916.67
Expense		
Admin & Management & Finance		
	OTHER USE OF GOODS AND SERVICE	
	Cleaners Co-operative fees	119,119.48
	Medical Test	4,400.00
	Security & enforcement	8,210.00
	Office Building Rent - Orion M	808,630.00
	Employers liability & Others	161,789.00
	Insurance for Boat	155,950.00
	Insurance for Vehicles	160,732.00
	License Fees	49,348.50
	Training Expenses	25,500.00
	Local Consultancy (Web & Qboo	191,650.00
	Disposal of Garbage	100.00
	Laundry	1,600.00
	Total OTHER USE OF GOODS AND SERVICE	1,687,028.98
	OFFICE EXPENSES	
	Other Office Expenses	79,977.81
	Telephone Local	30,186.26
	Telephone Inter	33.22

SEYCHELLES NATIONAL PARKS AUTHORITY

Profit & Loss YTD Comparison

January through December 2021

	Internet	122,636.35
	Water	60,890.28
	Electricity (Orion Mall)	235,802.82
	Consumables	35,883.34
	Cleaning Expenses	62,524.60
	Postage	1,533.00
	Printing and Stationery	128,907.79
	News Paper & Magazine	13,540.00
	Advert (Centralised)	26,567.00
	Uniform	10,640.01
	Total OFFICE EXPENSES	809,122.48
	TRANSPORTATION AND TRAVEL COSTS	
	Other Transportation Cost	12,303.50
	Domestic Subsistence Allowance	11,675.00
	Overseas Subsistence Allowance	28,000.00
	Hire Charges for Vehicle	2,200.00
	Bus /Taxi Ferry Fares	3,645.00
	Domestic Airfares	22,743.00
	Fuel for vehicle (Centralised)	241,950.00
	Total TRANSPORTATION AND TRAVEL COSTS	322,516.50
	MAINTENANCE & REPAIRS	
	Air Con Equipment	9,487.50
	IT Equipment	11,336.00
	printing equipment	18,515.00
		Jan - Dec 21
	Other Maintenance (HQ, GVI, CU	18,717.91
	office Building	22,016.01
	Motor Vehicle Repair (for all	265,086.94
	Total MAINTENANCE & REPAIRS	345,159.36
	wages and salarie admin	
	Salary	3,406,043.90
	Gratuity	50,000.00
	Compensation for past service	78,279.82
	Total wages and salarie admin	3,534,323.72
	Total Admin & Management & Finance	6,698,151.04

SEYCHELLES NATIONAL PARKS AUTHORITY
 Profit & Loss YTD Comparison
 January through December 2021

Terrestrial, conservation and f		
	Wages and salaries	
	Salary	7,020,242.94
	Gratuity	80,000.00
	Compensation for past service	198,072.36
	Total Wages and salaries	7,298,315.30
	OTHER USE OF GOODS AND SERVI	
	Security and Enforcement	17,767.50
	Licence Fees	300.00
	other Service Agreement (fire	76,700.00
	Total OTHER USE OF GOODS AND SERVI	94,767.50
MATERIALS AND SUPPLIES		
	Pesticides	4,000.00
	Total MATERIALS AND SUPPLIES	4,000.00
	MAINTENANCE & REPAIRS	
	Motor Vehicles	1,320.00
	Other Maintenance cost (All st	145,226.10
	Total MAINTENANCE & REPAIRS	146,546.10
	TRANSPORTATION AND TRAVEL COSTS	
	Domestic Subsistence Allow	6,500.00
	Other Transportation Cost	25,583.00
	Bus Taxi Ferry Fares	12,520.00
	Fuel For Vehicle	35,815.00
	Total TRANSPORTATION AND TRAVEL COSTS	80,418.00
	OFFICE EXPENSES	
	Commission Charges	20,520.78
	Other office Expenses	3,205.00
	Telephone inter	-166.82
	Telephone local	55,996.22
	Internet	6,570.34
	Water	7,906.02
	Electricity	34,324.34
	Cleaning Expenses	7,415.38
	Consumables	8,258.93
	Printing & Stationery	44,455.50
	Total OFFICE EXPENSES	188,485.69
Total Terrestrial, conservation and forestry		7,812,532.59

SEYCHELLES NATIONAL PARKS AUTHORITY
 Profit & Loss YTD Comparison
 January through December 2021

		Jan - Dec 21
Research and Education		
	Wages and salaries	
	Salary	1,675,289.64
	Gratuity	10,000.00
	Total Wages and salaries	1,685,289.64
	MAINTENANCE & REPAIRS	
	Office Equipment	900.00
	Other Maintenance & Repairs	9,654.00
	Total MAINTENANCE & REPAIRS	10,554.00
	TRANSPORTATION AND TRAVEL COST	
	Domestic Subsistence Allow	2,600.00
	Domestic Air Fares	1,577.00
	Bus taxi ferry Fares	1,890.00
	Total TRANSPORTATION AND TRAVEL COST	6,067.00
	OFFICE EXPENSES	
	Telephone International	2.58
	Telephone local	17,924.48
	Internet	4,839.20
	Consumables	1,196.50
	Cleaning Expenses	600.00
	Printing & Stationery	6,860.00
	Total OFFICE EXPENSES	31,422.76
Total Research and Education		1,733,333.40
Marine Operation and Conser		
	Compensation for past service	1,211.54
	Gratuity	25,000.00
	Salary	3,318,780.88
	Total Wages and salaries	3,344,992.42
	OTHER USE OF GOODS AND SERVICES	
	Facilities for Event	26,992.70
	Office Building Rent (Kiosk La	33,257.50
	Other Service Agreement	157,588.45
	Pest Control	1,128.00
	Security & Enforcement	24,150.00
	Total OTHER USE OF GOODS AND SERVICES	243,116.65
	MAINTENANCE & REPAIRS	
	Tools	4,894.00
	Office Equipment	750.00
	Security Equipment	14,950.00

SEYCHELLES NATIONAL PARKS AUTHORITY

Profit & Loss YTD Comparison

January through December 2021

		Jan - Dec 21
Research and Education		
	Wages and salaries	
	Salary	1,675,289.64
	Gratuity	10,000.00
	Total Wages and salaries	1,685,289.64
	MAINTENANCE & REPAIRS	
	Office Equipment	900.00
	Other Maintenance & Repairs	9,654.00
	Total MAINTENANCE & REPAIRS	10,554.00
	TRANSPORTATION AND TRAVEL COST	
	Domestic Subsistence Allow	2,600.00
	Domestic Air Fares	1,577.00
	Bus taxi ferry Fares	1,890.00
	Total TRANSPORTATION AND TRAVEL COST	6,067.00
	OFFICE EXPENSES	
	Telephone International	2.58
	Telephone local	17,924.48
	Internet	4,839.20
	Consumables	1,196.50
	Cleaning Expenses	600.00
	Printing & Stationery	6,860.00
	Total OFFICE EXPENSES	31,422.76
Total Research and Education		1,733,333.40
Marine Operation and Conser		
	Compensation for past service	1,211.54
	Gratuity	25,000.00
	Salary	3,318,780.88
	Total Wages and salaries	3,344,992.42
	OTHER USE OF GOODS AND SERVICES	
	Fascilities for Event	26,992.70
	Office Building Rent (Kiosk La	33,257.50
	Other Service Agreement	157,588.45
	Pest Control	1,128.00
	Security & Enforcement	24,150.00
	Total OTHER USE OF GOODS AND SERVICES	243,116.65
	MAINTENANCE & REPAIRS	
	Tools	4,894.00
	Office Equipment	750.00
	Security Equipment	14,950.00

SEYCHELLES NATIONAL PARKS AUTHORITY

Profit & Loss YTD Comparison

January through December 2021

	Repair of Boats	445,170.51
	Motor Vehicle Repair	1,050.00
	other repair & Maintenance	187,896.16
	Total MAINTENANCE & REPAIRS	654,710.67
	TRANSPORTATION AND TRAVEL COST	
	Domestic Airfares	3,429.00
	Other Transportation Cost	7,815.00
	Domestic subsistence Allow	25,300.00
		Jan - Dec 21
	Fuel for Boats	1,231,978.13
	Bus taxi ferry Fares	12,695.00
	Fuel for Machinery & Equipment	850.00
	TRANSPORTATION AND TRAVEL COST	1,282,067.13
	OFFICE EXPENSES	
	Telephone International	54.81
	Bank charges	27,268.47
	Commision Charges	20,722.64
	Other Office Expenses	17,080.00
	Telephone local	24,228.35
	Water	13,268.19
	Electricity	37,015.55
	Cleaning Expenses	10,255.40
	Internet	69,508.97
	Consumables	25,819.30
	Printing & Stationery	9,730.75
	Total · OFFICE EXPENSES	254,952.43
	Total Marine Operation and Conservation	5,779,839.30
	TOTAL EXPENSE	22,023,856.33
	Net Ordinary Income	-
	Other Income/Expense	0.00
	Other Income	
	MOF Salary Grant	15,452,159.14
	Total Other Income	15,452,159.14
	Other Expense	
	Exchange Gain or Loss	110,185.66
	Total Other Expense	110,185.66
	Net Other Income	15,341,973.48
	Profit for the Year	8,517,033.82

SEYCHELLES NATIONAL PARKS AUTHORITY
UK Balance Sheet - Standard
As of 31 December 2021

		31 Dec 21
ASSETS		
	Fixed Assets	
	Acquisition of IT Equipments	56,029.99
	Property/Plant/Equipment	523,867.00
	Acquisition of Boat Engine	906,000.00
	Acquisition of Generators	18,075.00
	Acquisition of Tools	66,186.65
	ACQUISITION OF MINOR ASSETS	
	Acquisition of It Equipment	11,153.00
	Acquisition of Office Equipment	33,481.03
	Acquisition of Air Condition	8,775.00
	ACQUISITION OF MINOR ASSETS - Other	17,115.03
	Total ACQUISITION OF MINOR ASSETS	70,524.06
	Acquisition Minor Assets research	
	Acquisition of Tools	4,922.00
	Acquisition IT equipment	43,700.00
	Total Acquisition Minor Assets research	48,622.00
	ACQUISITION-MINOR ASSETS Terres	
	Acquisition of Office Equipment	25,265.00
	Acquisition of Furniture	18,395.00
	Acquisition of Phone	475.00
	Acquisition of Tools	75,460.64
	Acquisition of Fire Fighting Eq	112,294.91
	Acquisition-Kitchen/Laundry equi	28,940.00
	Equipment for Plant Diseases Tr	28,456.05
	Total ACQUISITION-MINOR ASSETS Terres	289,286.60
	Acquisition-Minor Assets Admin	
	Acquisition of Air Con Equipmen	43,770.00
	Acquisition of Furniture	65,850.00
	ACQUISITION OF MINOR ASSETS	35,564.11
	Acquisition of Furniture	19,750.00
	Acquisition of Telephone	25,447.00
	Acquisition of Kitchen & Laundr	44,725.00
	Acquisition of IT Equipment	221,339.42
	Total Acquisition-Minor Assets Admin	456,445.53
	Total Fixed Assets	2,435,036.83
	Current Assets	

SEYCHELLES NATIONAL PARKS AUTHORITY
 UK Balance Sheet - Standard
 As of 31 December 2021

	Other Current Assets	
	Petty Cash/cash Float	
	Cash Float-Copolia	2,760.49
	Cash Float-Accounts	2,000.00
	Cash Float-F.Boffay	500.00
	Cash Float-Ile Coco	500.00
	Cash Float-Curieuse	750.00
	Cash Float-Ste Anne	1,000.00
		31 Dec 21
	Cash Float-Baie Ternay	250.00
	Petty Cash-Veuve	3,500.00
	Petty Cash-F.Boffay	5,000.00
	Cash Float-Veuve	1,000.00
	Petty Cash-Curieuse	4,500.00
	Petty Cash-Accounts	13,000.00
	Total Petty Cash/cash Float	34,760.49
	Total Other Current Assets	34,760.49
	Accounts Receivable	
	Accounts Receivable - USD	313,759.05
	Accounts Receivable	1,039,949.41
	Total Accounts Receivable	1,353,708.46
	Cash at bank and in hand	
	Bank-USD	
	MCB USD AC-595063	116,050.08
	Total Bank-USD	116,050.08
	Bank-SCR	
	Undeposited Funds	75,729.17
	MCB Project Account -595055	4,082,578.13
	Mauritius Commercial Bank-73326	3,985,522.10
	Barclays - Rupee account	3,732,362.04
	Total Bank-SCR	11,876,191.44
	Total Cash at bank and in hand	11,992,241.52
	Total Current Assets	13,380,710.47
LIABILITIES	Current Liabilities	
	Accounts Payable	
	Accounts Payable	105,091.72
	Total Accounts Payable	105,091.72

SEYCHELLES NATIONAL PARKS AUTHORITY
UK Balance Sheet - Standard
As of 31 December 2021

	Other Current Liabilities	
GRANT IN TRANSIT	GRANT IN TRANSIT	
	H SAVY TRAIL GRANT	250,000.00
	Edge Projects	0.78
	Environment Trust Fund-GRANTS	
	Curieuse 40th Anniversary	35,000.00
	Curieuse Leprosy Project	164,828.44
	Total Environment Trust Fund-GRANTS	199,828.44
	Ridge to Reef	114,462.35
	PAREO PROJECT	230,780.25
	PA Finance (Protected Area Fin	-21,173.19
	Curieuse Infrastructure Grant	2,982,844.61
	Other Small Grants	-40,322.80
	Regional MFF Projects	70,502.27
	Veuve Reserve	332.60
	Strategic Adaptive Mgt- SAM	181,623.02
	COI COTS Projects	138,951.17
		31 Dec 21
	Rufford Project	27,335.19
	Creative Environment Props	9,559.14
	Darwin Initiative Project	180,011.22
	CIRAD.REUNION	4,819.95
	Earthwatch Expedition	935,587.84
	Coral Reef Restoration Project	331,480.25
	Total GRANT IN TRANSIT	5,596,623.09
	Total Other Current Liabilities	5,596,623.09
	Total Current Liabilities	5,701,714.81
	NET CURRENT ASSETS	7,678,995.66
	TOTAL ASSETS LESS CURRENT LIABILITIES	10,114,032.49
	NET ASSETS	10,114,032.49
	Capital and Reserves	
	Retained Earnings	1,318,722.47
	Capital Grants cash	278,276.20
	Profit for the Year	8,517,033.82
	Shareholder funds	10,114,032.49

SEYCHELLES NATIONAL PARKS AUTHORITY
Statement of Cash Flows
 January through December 2021

		Jan - Dec 21
OPERATING ACTIVITIES		
	Profit for the Year	8,517,033.82
	Adjustments to reconcile Net Income	
	to net cash provided by operations:	
	Accounts Receivable - USD	-313,759.05
	Accounts Receivable	-915,885.54
	Petty Cash/cash Float: Cash Float-Copolia	-760.49
	Accounts Payable	-203,207.37
	GRANT IN TRANSIT: H SAVY TRAIL GRANT	250,000.00
	GRANT IN TRANSIT: Ridge to Reef	-67,491.06
	GRANT IN TRANSIT:PAREO PROJECT	125,753.36
	GRANT IN TRANSIT: PA Finance (Protected Area Fin	-16,737.68
	GRANT IN TRANSIT: Curieuse Infrastructure Grant	-849,634.84
	GRANT IN TRANSIT: Other Small Grants	-17,250.00
	GRANT IN TRANSIT: Marine Rangers Quaters	501,471.91
	GRANT IN TRANSIT: Coral Reef Restoration Project	<u>202,679.74</u>
Net cash provided by Operating Activities		7,212,212.80
INVESTING ACTIVITIES		
	Aquisition of IT Equipments	-48,039.99
	Acquisition of Boat Engine	-115,000.00
	Acquisition of Tools	-10,506.00
	ACQUISITION OF MINOR ASSETS	-3,400.00
	ACQUISITION OF MINOR ASSETS: Aquisition of It Equipment	-11,153.00
	ACQUISITION OF MINOR ASSETS:Aquisition of Office Equipment	-12,650.03
	Aquisition Minor Assets researc: Acquisition of Tools	-4,922.00
	ACQUISITION-MINOR ASSETS Terres: Aquisition of Office Equipment	<u>-2,600.00</u>
	ACQUISITION-MINOR ASSETS Terres: Aquisition of Furniture	<u>-12,000.00</u>
	ACQUISITION-MINOR ASSETS Terres:Acquisition of Tools	<u>-9,552.00</u>
	ACQUISITION-MINOR ASSETS Terres: Aquisition-Kitchen/Laundry equi	-17,600.00
	Aquisition-Minor Assets Admin: Acquisition of Furniture	-23,535.00
	Aquisition-Minor Assets Admin: ACQUISITION OF MINOR ASSETS	-12,172.61
	Aquisition-Minor Assets Admin: Acquisition of Furniture	-6,275.00
	Aquisition-Minor Assets Admin: Acquisition of Kitchen & Laundr	-4,725.00
	Aquisition-Minor Assets Admin:Acquisition of IT Equipment	<u>-153,023.50</u>
Net cash provided by Investing Activities		<u>-447,154.13</u>
Net cash increase for period		6,765,058.67
Cash at beginning of period		<u>5,227,182.85</u>
Cash at end of period		<u>11,992,241.52</u>

Administration and Human Resources Section

The Administration Section consists of a team of dynamic staff providing support to all other sections and units of the organization. For many years, Administration and Human Resource Management at SNPA was under the leadership of the Director of Admin and HR. In 2021, when CEO Cedras took Office it was Mrs. Suzanne Dubignon who was the Director of Admin and HR. A position she was occupying at NBGF. The staff of the section included two administrative officers, three drivers/messengers, one receptionist and one housekeeper.

The main role of the section is to provide administrative and logistical support to the entire organization. Amongst its mandate is to ensure an ideal working environment, with necessary resources for all staff to perform their respective duties. Each sub-unit within this section has a vital role to play to ensure effectiveness in achieving the objectives of the section and the organization as a whole.

Director's Office

- Overlooked by the Director and the Administrative Officer. Responsible for the smooth and efficient running of the section. Submission of works, reports, proposals and decisions to the management level.
- Renewal of reviewed and amended insurance policies reflecting changes occurred to the organization during the year.
- Introduction of policies, contracts and agreements in respect to the organization's need.
- Management and improvement of SNPA's properties, including premises, fleet of vehicles and equipment.
- Management and monitoring of inventory and fixed assets registry.
- Upgrading of the IT facilities within SNPA, including internet, PABX system and installation of cameras.
- Improving the staff working environment; provision for uniforms and bus pass.

Reception Area

The SNPA reception area is managed by the receptionist, who is responsible for ensuring a warm welcome and positive image to the public visiting the SNPA, providing the most reliable information and direction to the public, who calls or walk into SNPA Headquarters.

Redesigning of the reception area was undertaken to enhance organizational standards whilst simultaneously creating a friendly impression. Maintaining and re-painting of the reception area from main entrance door, staircase and corridor was also carried out to reflect the SNPA brand.

Up keeping of potted plants and flower arrangements at the reception area harvested from the Botanical Garden also adds a delightful appeal to the reception area.



SNPA Headquarter's Reception Area

Transport Unit

SNPA possess a fleet consisting of twelve vehicles. Ten vehicles are based on Mahe and the other two are based at the Fond B'Offay Office on Praslin. The vehicles are managed by three experienced drivers. Majority of the vehicles are over ten years of age and their conditions are not impressive. The introduction of a new vehicle policy will enable the transport unit to improve the state and conditions of the vehicle fleet. The possibility for the purchase of new vehicles is being considered.

House Keeping Unit

Under the responsibility of one of the long serving employees in SNPA. The housekeeping unit ensures the care and comfort of staff and visitors by maintaining a high level of hygiene and cleanliness at all times at the headquarters.

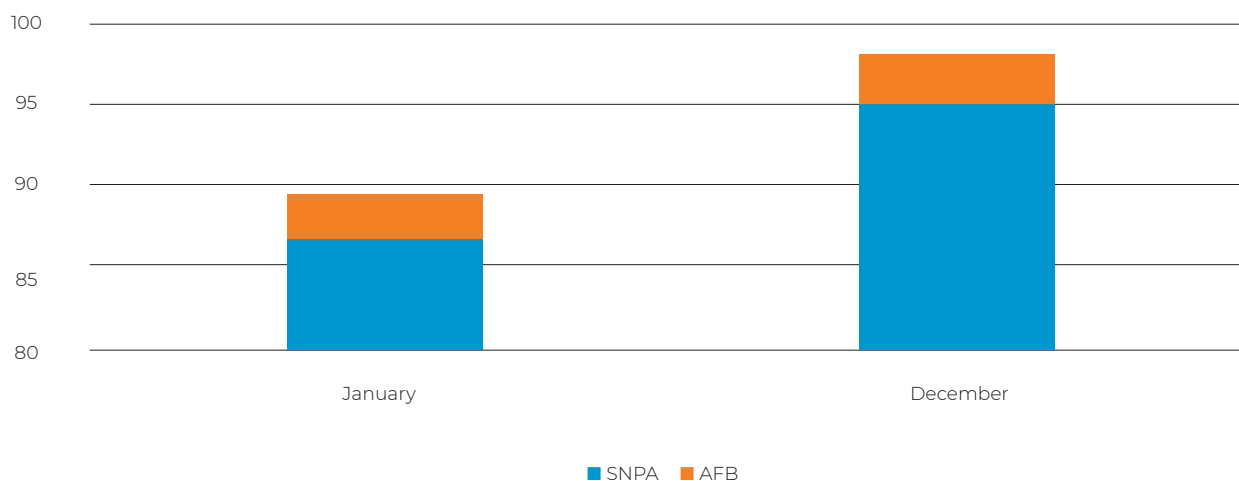
The SPGA Human Resource section although small, has many roles and functions which its needs to carry out to ensure that SPGA is well equipped with the most capable and motivated staff. The HR section previously attached with the Administration Unit, primarily consisted of a Director and HR officer. Simultaneously, with the arrival of the new CEO in June 2021, a new head of section was appointed, as well as a new HR officer who both previously worked under NBGF.

In December 2021, the SPGA Human Resource Director exited the organization under the Voluntary Retirement Program making way for a new head of section. Through the restructuring which was implemented due to the ongoing merger between SNPA and NBGF, the new organizational structure implemented, allowed for the HR section to operate independently from the administration section.

The HR unit's main duties and responsibilities are as follows:

- Recruitment, and termination and other personal Benefits
- Ensuring that staff get the necessary training to enhance productivity
- Staff coaching and mentoring
- Ensuring staff welfare
- Creating a conducive and safe working environment
- Implementing policies and guidelines
- Drafting and implementing HR internal policies

SNPA Workforce 2021



Similar to other organisations, COVID-19 affected and impacted the productivity of staff. With a vast majority of employees having to adopt to a “work from home” modality, the HR section had to ensure that staff were still following through with their work duties and responsibilities. Although many staff were unfamiliar with the “work from home” approach, SNPA recorded only 2 resignations for 2021 and less annual leaves were applied for by employees

Business, Communication, Marketing, Trading and Education Unit (BCMTE)

The BCMTE unit was newly formed under the impending merger between SNPA and NBGF. Since its creation in June and throughout 2021, the unit functioned with only one staff, Ms. Isabelle Ravinia. Upon creation of the section, it was decided that three staff would be required to ensure smooth running of the unit.

Functions of BCMTE Unit

- develop new business ventures and support existing partnerships and development
- Market SNPA sites, products and services
- Support trade
- Be the focal point for all communications and information
- Promote education and outreach programs

Business

Coco de Mer Sale

The first ever SNPA Coco de Mer and plants sale was held in September 2021, at the Botanical Garden. The sale was very successful, with over 90% of products on display sold. A total of SCR297,300 was made that day. The second sale took place in December, at the Codevar Garden in Victoria. Similar to the previous sale, a 10% discount was placed on Coco de Mers and 20 % on plants. Coco de Mers which had stocked up in the SNPA store were given extra clearance prices.

The triple-lobed Coco de Mer was also auctioned on the day and sold for SCR11,000. This was SNPA's first auction. The second sale brought in a total of SCR184,510. The December sale was less successful in terms of sales generated and

the number of people who attended. The drop in performance is most likely attributed to the fact that most people had already purchased what they required in the previous sale held in September. The sale however, did allow SNPA

to clear most of the unwanted nuts allowing room for re-stocking. With the good attractive promotions and advertising, demand for the Coco de Mers are continuously increasing, with Club Med Seychelles being a regular buyer.



Coco de Mer sale held in December, 2021

Anse Major Trail Project

A site visit to the Anse Major trail, together with staff from the National Parks Unit was undertaken in June 2021, to assess what works needed to be done in order to upgrade the famous trail and turn it into a payable service offered to trail goers by SNPA. GPS points for all new information boards and signage needed were also taken on this visit. It has been agreed that a ticket booth will be placed near the first small beach towards the end of the trail.

Anse Major Beach Facilities Project

The MoU signed with Ms. Elsy Henriette for the use of the Anse Major Beach Facilities Project has been reviewed. Previously, SNPA was paying Ms. Henriette a fee to maintain the beach and adjacent facilities at Anse Major. Under the revised agreement, SNPA will not be paying any fees to the entrepreneur, but she will rather be given the autonomy to manage the area, ensure cleanliness and undertake business activities. This partnership will aid with solving the littering and vandalism problems which have existed at the beach for some time now. Similarly, it will highlight SNPA's contribution towards local livelihoods as this is a win-win agreement for both parties. This newly revised MoU will be saving SNPA SCR120, 000/year.



Facilities at the Anse Major Beach

Funding

The BMCTE Unit sent out letters of requests to various organisations/businesses to seek additional funding. These letters which were sent to hotels bordering SNPA sites, in order to obtain funding for a buggy proved unsuccessful. However, SNPA managed to obtain SCR25,000 from Hunt Deltel Ltd, which was to aid with the production of information boards for Botanical Garden.

Other Business Related Activities

- Discussions were held with professional picnic planners “Picnic Nation” to facilitate the planning and way-about for organizing private picnics within the Garden.
- SNPA carried out a meeting with the Destination Management Company (DMC) Silver Pearl Seychelles, to set-up a credit facility with SNPA, as they do bring in a certain amount of visitors to SNPA sites. The DMC was provided with relevant information on the different SNPA sites, as well as the rules and regulations.
- Internal discussions also took place and subsequently Curieuse’s barbecue area fees were increased from.

Communications

The CEO, Mr. Cedras entered office in June 2021. Together with key staff from the authority, the CEO conducted a series of important meetings with key stakeholders from both private and public organisations.

In August, a series of consultative meetings were held on Praslin and La Digue with: the Praslin Business Association, Seychelles Hospitality and Tourism Association (SHTA), Six Senses Zil Pasyon, Raffles Seychelles and the La Reserve Hotel. The main objectives of these meetings were to present the new organization which would form from the merger of SNPA and NBGF (SPGA) and to discuss future projects and a possible hotel contribution. On Mahe, similar meetings were held with the General Manager of the Constance Ephelia Resort and his team.

CEO Cedras and other key staff of SNPA met with the Principal Secretary (PS) of Investment Mr. Nallemtamby, PS for Tourism, Mrs. Sherin Francis, CEO of the Seychelles Heritage Foundation, Ms. Benjamin Rose and the CEO of the Seychelles Fishing Authority (SFA), Mr. Elizabeth. Site visits have also been conducted to the Biodiversity Centre with the Deputy CEO of the Seychelles Investment Board (SIB), Mr. Lenny Gabriel and his team.

Another site visit which was conducted, was that to Curieuse Island in regards to the restoration of the Doctors’ House in collaboration with the Seychelles Heritage Foundation. An MoU with the Foundation has been drafted, however the foundation has informed SNPA that they cannot sign the document for now as there are

changes taking place within their respective ministry.

The rounds of consultative meetings continued into the last quarter of 2021. A meeting was held with the Praslin Members of the National Assembly (MNAs), to discuss SNPA’s plan for the National Park on Praslin and Curieuse.

In regards to the Port Launay and Baie Ternay Marine Parks, a meeting was held with the PS and Director General (DG) of Land Use, to discuss a new plot of land allocation to SNPA at Port Launay.

A series of meetings were also held for key staff members of SNPA, to provide input for the upcoming SPGA business and strategic plans 2022-2026 which was to be drafted by Ms. Ingrid Sinon as a consultant.



Meeting with the PS of Tourism

Communication Materials

Besides producing a number of articles for the local press, the BCMTE unit worked on two important pieces targeting an international audience. The first piece, was written up for the Air Seychelles inflight magazine to market the Curieuse Marine National Park. An article for the Western Indian Ocean Marine Science Association (WIOMSA)

magazine entitled “A new organization is steering Seychelles’ marine national parks” was also produced.

The unit worked on the designing of the map and leaflet for Botanical Garden, with the support of the Garden manager Mr. Eric Sophola and the print house Classic Design. The leaflet will be available digitally,

and accessed via the upcoming SPGA website in 2022.

Another key aspect of communications which has been developed is the designing and producing of communication materials for SPGA through the clear guidelines set in the brand manual (logo, banners, e-signature, letter head).



E-signature banner

Marketing

SNPA website

With the creation of a new website to launch after the merger, SNPA has decided to migrate the hosting of its website away from the Department of Information, Communication and Technology(DICT). Quotes were sought from three local service providers, and further interviews were conducted with the assistance of DICT. It was decided that MAVEN (a creative agency specialising in web design) was the best candidate for the job. Another quote has been requested from MAVEN for the service. The BCMET unit drafted contracts and meetings were conducted with MAVEN. The three-month contract was signed on December 9th 2021.

ParAppi

Marketing of SNPA's sites have been initiated on the Ministry of Tourism's Parappi platform. The new online platform provides information and details of events and attractions in Seychelles. So far all of the payable sites managed by SNPA has been placed on the platform. The authority must now upload information in regards to trails and non-paying sites such as the Praslin National Park.

Sales

The BCMTE unit analysed three sets of statistics in 2021.

SNPA's first ever visitor statistics' report for 2020 was produced. This report showcased the impact of the COVID-19 pandemic on visitor numbers to the paying sites. The report also provided valuable insight on the performance of each site over the years. Similarly, another report was produced on the visitation numbers of 2021 (from January-August), to observe how the sites were performing. The 2020 report portrayed that nationally SNPA was not doing well, considering the number of protected areas under its management.

A cost analysis of the Copolia Trail was done during quarter four of 2021, to understand whether the trail was financially sustainable. The analysis confirmed the hypothesis.

Education and Outreach

Theme Days

SNPA Celebrates Earth Day with Signing of MoU to Finance the Re-Opening of the Morne Seychellois Nature Trail.

On the occasion of Earth Day 2021, a date celebrated worldwide on April 22nd each year to raise awareness on the necessity to protect the planet, SNPA and H Savy Insurance signed an MoU to re-open the Morne Seychellois Nature Trail. In his speech, the GM of H Savy insurance explained that 2020 marked H Savy Insurance's 25th anniversary, hence, to mark this milestone, it was important that the organisation made a significant contribution nationally. Donating to an environmental project fits very well within their objectives. The insurance company has been pleasantly happy to contribute to the physical wellbeing of the public by providing hikers and visitors a formidable opportunity to appreciate another beautiful trail. The Minister for Environment, Mr. Flavien Joubert thanked H Savy Insurance on behalf of SNPA, for this generous donation, which he said re-enforces the importance of Public, Private Partnerships (PPPs) in the country.

"SNPA cannot maintain the nature trails on its own. The more support it receives from businesses and partners, the better!"



Signing of MoU with H Savy Insurance

World Ocean Day

SNPA team teamed up with the Enchanted Island Resort, based on Round Island to celebrate World Ocean Day on June 8th. SNPA staff showcased a presentation about the marine parks and the impacts of tourism on the marine environment. It was a great way to gain insight into what the resort staff observe on a daily basis within the park. It was agreed that the two parties would now proceed to engage in more hands-on activities.

World Nature Conservation Day

In July, SNPA and the Indian High Commission in Seychelles planted 75 endemic palms (*Deckenia nobilis*) locally known as 'palmis' in the Morne Seychellois National Park at Grand Anse. It was the CEO, Mr. Allen Cedras and Indian High Commissioner in Seychelles, General Dalbir Singh Suhag who had the honour of planting the first two palms. The 75 trees planted by SNPA staff and the Indian Community, symbolizes 75 years of India's Independence.

SNPA joined the mega celebrations in the best way it could, by planting trees on World Nature Conservation Day. The day is celebrated worldwide on July 28th each year to acknowledge that a healthy environment is the foundation for a stable and healthy society. The planting of the 75 endemic plants promises to bring varied benefits to nature and the country. During the ceremony, General Dalbir Singh Suhag donated COVID-19 relief supplies such as face masks, gloves, and hand sanitizers to SNPA. The Indian Association of Seychelles also donated a pressure washer and extendable ladder.



SNPA CEO and Indian High Commissioner planted the first trees

Clean-up the World Campaign

For the world event, SNPA deployed its staff to almost all of its sites to remove rubbish that have accumulated in nature over the past year. The authority chose this opportune time to team up with its stakeholders. Clean-ups took place along the Anse Major Trail, the Botanical Garden, Perseverance base and in all the marine parks with the exception of Ile Cocos. CEO Cedras along with rangers joined the “Ocean Clean-up Project” team for an underwater clean-up. The marine operations team and research staff cleaned the beaches on Ste Anne island. Staff collected 35 gunny bags

weighing 26kg. Main items of litter included pet bottles and Styrofoam bits. The team charged with cleaning the Anse Major Trail, comprised of SNPA staff, the Bel Ombre

District Administration, the Seychelles National Youth Council(SNYC) and a private tourism operator collected 20 gunny bags of rubbish along the Trail and the beach.



Beach clean-up on St. Anne Island

Green Footprint Seychelles: President Ramkalawan and COP26 Delegation Offset Carbon Flight Emissions Ahead of Crucial Climate Talks

Ahead of the COP26 climate talks in Glasgow, the British High Commission(BHC) and the Seychelles National Parks Authority (SNPA) hosted a unique environmental event. The President of the Republic, Mr. Wavel Ramkalawan, was joined by COP26 delegates from Seychelles in a tree-planting, carbon-offsetting activity at the Salazie Trail in the Morne Seychellois National Park.

Participants led by President Ramkalawan, walked to the tree-planting site at the Salazie Trail, which is maintained by SNPA. Welcoming remarks were shared by the British High Commissioner, Mr. Patrick

Lynch, and the CEO, Mr. Allen Cedras, before a brief explanation of the ‘Green Footprint Seychelles’ Pilot Project was offered by BHC Project Officer,

Ms. Victoria Alis. Participants then proceeded to plant a total of 250 trees, to offset the carbon emissions of delegates’ return flights to Glasgow.



CNN Call to Earth Program

SNPA collaborated with the Montessori International School Seychelles and CNN International for their 'Call to Earth Program'. On Tuesday 9th November, a group of about 20 school children and their teachers, planted endemic plants in the Biodiversity Centre. The Montessori International School Seychelles hope that this small contribution can help and encourage others to join in the movement to return the love which mother Earth blesses us with on a daily basis.

The Biodiversity Centre at Barbarons Provides the Perfect Setting for the Holistic Development of Children

In collaboration with the Ministry of Education, the Biodiversity Centre at Barbarons, conducted an outdoor classroom for the holistic empowerment of 19 students.

The session was conducted on two consecutive days (day 1 for girls and day 2 for boys). Two staffs (Mr. Doudee and Ms. Marinette) conducted a guided tour with the students, introducing some of the species growing in the garden and their associated medicinal properties. In addition, Ms. Marinette demonstrated how to prepare plant cuttings for propagation and how to pot the plants before being placed in the nursery. It is hoped that the sessions have contributed to the holistic learning experience of the students and have helped boost their mental health wellbeing.

We are confident that by being in such a beautiful outdoor setting like the biodiversity Centre, it has helped with building up the student's knowledge on the environment.

Outreach Activity on Nature Trail with SACOS

SNPA's motto is 'managing Seychelles' protected areas for the benefit of all'. Going by its motto, in September, the SACOS Insurance Group helped SNPA clear the Morne Blanc Trail off invasive plants 'Fowatouk' (*Clidemia hirta*) and litters. In return the Insurance Group was able to be out in the enchanting forest enjoying the fresh air and exercise. This activity was part of the company's anniversary celebration. SNPA was very satisfied with the hard work done by the staff of SACOS.



Sacos staff on the Morne Blanc trail

Eradication of Invasive Plants Along Tea Tavern Trail

SNPA joined with the Seychelles Natural History Museum to clear the Tea Tavern trail of invasive plants, namely Fowatouk. The activity was held on Friday 27th August as part of the 30th anniversary of the Museum's educational program. The children from Bel Eau Primary School had fun helping fight invasive plants which pose big threat to our biodiversity.

PAREO Project

An Exhibition was organized in August to display artworks and environment projects undertaken by schools participating in the PAREO project. The three-day exhibition took place at the Botanical Garden. The official ceremony to launch its opening was attended by the CEO of SNPA, Mr. Allen Cedras; Director General for Allied Education Services, Mr. Cyril Pillay; the participating schools, parents, SNPA Staff, representatives from Department of Environment and the Blue Economy Department. In his address, the Director General from the Ministry of Education, Mr Pillay congratulated SNPA for the success of the project. He urged the schools to share knowledge acquired with their colleagues. SNPA began implementing the PAREO project in March 2020. PAREO is a french acronym which means "Patrimoine Recifal de L'Ocean Indien Entre Nos Mains".

The aim of the regional project was to raise awareness on the coral reefs of the Indian Ocean Region and was funded by the "Institut de Recherche pour le Developpement France (IRD)" and the European Union(EU).



SNPA presenting teaching resources to Ministry of Education during the ceremony

Marine Protected Areas Offer the Best Educational Opportunities

For International Youth Day in August, a group of students from the Seychelles Institute of Teacher Education (SITE) visited the oldest Marine Park in Seychelles, St. Anne. Accompanied by marine park rangers Mr. Demien Mougale and Ms. Shazelle Julie, the future teachers did some snorkelling in the park. They were also able to learn about the way that SNPA manages this important protected area and also of its importance. The students visited Moyenne island, a national park within the marine park. The day ended with some educational games organised by SNPA. The aim of which was to equip the would be teachers with possible fun marine educational games which they can pass on to their students. It was a fun filled day for the group of 15 students and their teachers. A clear benefit of marine protected areas, is providing the perfect setting for education!



SITE visit to the St. Anne Marine Park

SITE Students Explore the National Park

The National Park Unit facilitated fieldwork for the future teachers, on the Copolia trail. The aim of the visit was to teach the students how to organize, plan, execute fieldwork activities, discover, and learn about the flora and fauna and how to protect them. The day started with introduction by SNPA team leader, Mr. Ronny Gabriel, where he provided background information on the trail, SNPA and the National Park. Mr. Gabriel also proceeded to highlight the park regulations.

The team of thirteen students and four teachers (from Seychelles Institute of Teacher Education) explored the medium- intensity trail. Using worksheets provided, with the help of our staff, the students were able to identify the diversity of flora and fauna located in the area. Though unable to spot the sought after Seychelles endemic snake, the team did manage to spot one of the world's smallest frog and the dancing black snail.

SNPA, Takamaka School and Sea Turtle Friends Seychelles Install Information Boards at Nesting sites

The public can now obtain important information about sea turtles when they visit Anse Bazarca and Intendance Beach. Takamaka Primary School students, Seychelles National Parks Authority (SNPA) and the NGO Sea Turtle Friends Seychelles, have installed two colourful information boards along these two important sea turtles nesting sites. The boards were produced under the PAREO Project, which SNPA was implementing. It is hoped that the information displayed will help the public better understand the crucial role that the endangered sea turtles play in the marine ecosystem.

Takamaka Primary School was previously working with Sea Turtle Friends Seychelles (STFS) to learn more about conserving sea turtles. The students themselves handwrote the information on the brightly coloured boards and together with SNPA, STFS and MCSS installed the two boards on Friday 9th July to complete the collaboration with the NGO. This activity formed part of the PAREO project.



Installation of the information boards

Community Engagement in Port Launay and Baie Ternay Marine Parks

SNPA staff participated in workshop organised under the LEAP Project. The SNPA team gave a presentation based on the two marine national parks situated in the Port Glaud district to residents. The authority also explained how it manages the two marine parks, which have been established since 1979. Workshop participants also discussed issues which they have observed in the parks and additionally proposed solutions. The participants noted that greater presence by SNPA staff is needed in the parks; and also added that a ranger base in the area would help address many of these issues. Lack of information boards was also mentioned. Most of the concerns raised were not new and are addressed in the Management Plans of the two Parks. In 2020, SNPA signed an MoU with Nature Seychelles to become project partners on the LEAP Project, which aims at establishing the first community managed area in Seychelles.

Green Recovery Symposium

Ms. Isabelle Ravinia of the BCMTE Unit gave a presentation at the Green Recovery Symposium organized by the BHC, Tourism Department and Ministry of Agriculture, Climate Change and Environment. The focus of the presentation was tourism within the protected areas. The event was held at Eden Bleu and attended by the Minister for Tourism and Minister for Environment amongst other VIPs.

This report has been compiled by the SNPA BCMTE Unit, with the contributions of the following heads of departments:

Contributor	Section
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