

**Port Honduras Marine Reserve**

**Annual Report 2011**

**Seleem F. Chan**

**Marine Manager**

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**Words from the manager**

It is with great pleasure that I present to you the Port Honduras Marine Reserve Annual report for 2011. This report summarizes the main activities that occurred throughout the year.

I am pleased to report the field staff conducted a total of 1039 Patrols of which 11 arrests were made and successfully prosecuted, 12 illegally set gill nets were confiscated within the boundaries of the reserve and 6 outside of the reserve, 1 verbal warning to two Guatemalan Tourists who were attempting to spare a fish with a spare gun within the reserve and 4 written warnings for harvesting of undersize lobsters and 1 for undersize conch. Patrols were conducted jointly with the Fisheries Department, Southern Environmental Association, Belize Defense Force, the Belize Coast Guard and personnel from other protected areas managed by TIDE. Joint activities continue with the Community Stewards. Special mention must be made of Mr. Martin Reyes, Mr. Reynaldo Ramirez "Roy", Mr. Lionel Delcid and Mr. Fidel Audinett for their continued support in the management of the Port Honduras Marine Reserve. Also, to Mrs. Anna Mutrie for her continued support to Research and Monitoring within the reserve.

Our Research and Monitoring program will always play an integral role in our decision making process. Mr. James Foley took on the role as Science Director and has been working closely in merging both our Marine and Terrestrial monitoring programs.

Once again, we would like to express our sincere gratitude to the Belize Fisheries Department, PHMR Advisory Committee, the Belize Coast Guard, Oak Foundation, Summit Foundation, The National Oceanic and Atmospheric Administration (NOAA), The Nature Conservancy, Sea grass net, Environmental Defense Fund and COMPACT. None of our work would have been possible without the contribution and the dedication you have shown throughout the year.

A heart felt thank you and special mention must be made of the buffer community members of Monkey River, Punta Negra and Punta Gorda for their commitment and support, to the Field Staff and the support Staff at TIDE for their continued dedication throughout the year.

Sincerely,

Seleem Chan  
Manager  
Port Honduras Marine Reserve

### **About TIDE**

The Toledo Institute for Development and Environment (TIDE) is non-profit non-government organization (NGO) founded in September 1997 to meet the growing environmental and development needs of the Toledo District, the southernmost district of Belize. TIDE has conceived as a local initiative in response to the negative environmental impacts of activities such as manatee poaching, illegal fishing, illegal logging and destructive farming methods.

### **TIDE'S Goals**

The organization has been hard at work over the past ten years to achieve its goal of improving organizational capacity to enable us to promote the protection, management and sustainable use of Toledo's natural resources while fostering programs that create and promote alternative economic opportunities for resource users who have traditionally depend on resource extraction for their livelihood. The alternative livelihoods developed and implemented by TIDE accomplished two goals: instilling a sense of ownership in our resources, and conserving them for future generations.

The TIDE goals from the strategic Plan 2007 - 2012 are as follows:

1. Achieve and maintain a membership retention rate of 95% per year.
2. Increase the US membership by 75 new members per year and international membership by 50 new global members per year.
3. Increase the percentage of members who say they are very satisfied with membership services provided by Sister Cities International.
4. Develop effective, ongoing sister city youth programs in US and international programs.
5. Create a sustainable international, national, and state advocacy program.
6. Diversify the organization's revenue sources.
7. Develop a marketing and branding program that results in greater understanding of Sister Cities International on the part of its members, governments, and the global community.
8. Put in place an organizational structure that contributes to mission, financial growth and stability, awareness, program delivery, and advocacy capacity. Implement changes based on that analysis.
9. Strengthen sister cities' institutional leadership at the international, national, state, local, and regional levels.
10. Identify and collaborate with other organizations that share the Sister Cities International mission and values to dramatically increase the number of people aware of and involved in citizen diplomacy and global citizenship efforts.

### **Our Approach**

TIDE uses various methods to achieve our conservation goals, including the natural and social sciences, which fall under five strategic objectives:

1. Protected Areas Planning and Management - To protect conservation targets by promoting and leading the planning and management of protected areas in the Toledo District.
2. Sustainable Development - To foster integrated conservation and development initiatives that creates economic opportunities for local residents and lead to the sustainable use of the resources and the sustainable development of the Toledo District.
3. Research and Monitoring - To maintain the biodiversity and integrity of the Reserve's ecosystems through continuous research, monitoring and appropriate interventions.
4. Environmental Education and Outreach - To expand and enhance the knowledge base on

Toledo's natural resources to promote their protection and sustainable use.

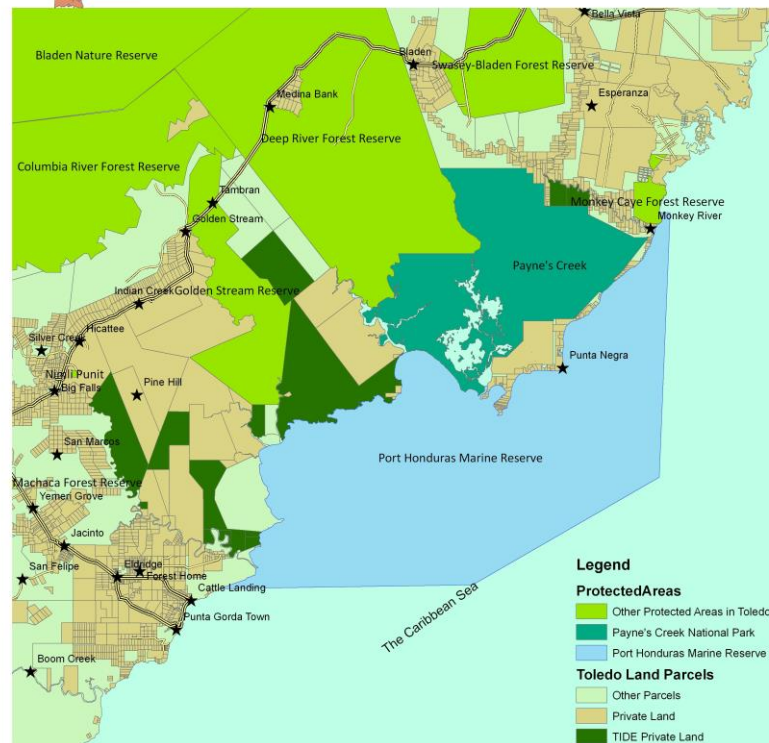
5. Institutional Development - Improve TIDE'S organizational capacity to accomplish its mission.

### Where We Work

Near its inception, TIDE identified what is now known as the Maya Mountain Marine Corridor (MMMC) as a high priority conservation action site. The MMMC is a spectacular natural area covering approximately one million acres of land and one thousand square miles of sea. The MMMC extends from the crest of the Maya Mountain in southwestern Belize to the southern end of the Belize Barrier Reef System. Within this area, the more significant conservation activities revolve around the management of the Port Honduras Marine Reserve, Payne's Creek National Park and TIDE'S Private Lands Initiative.



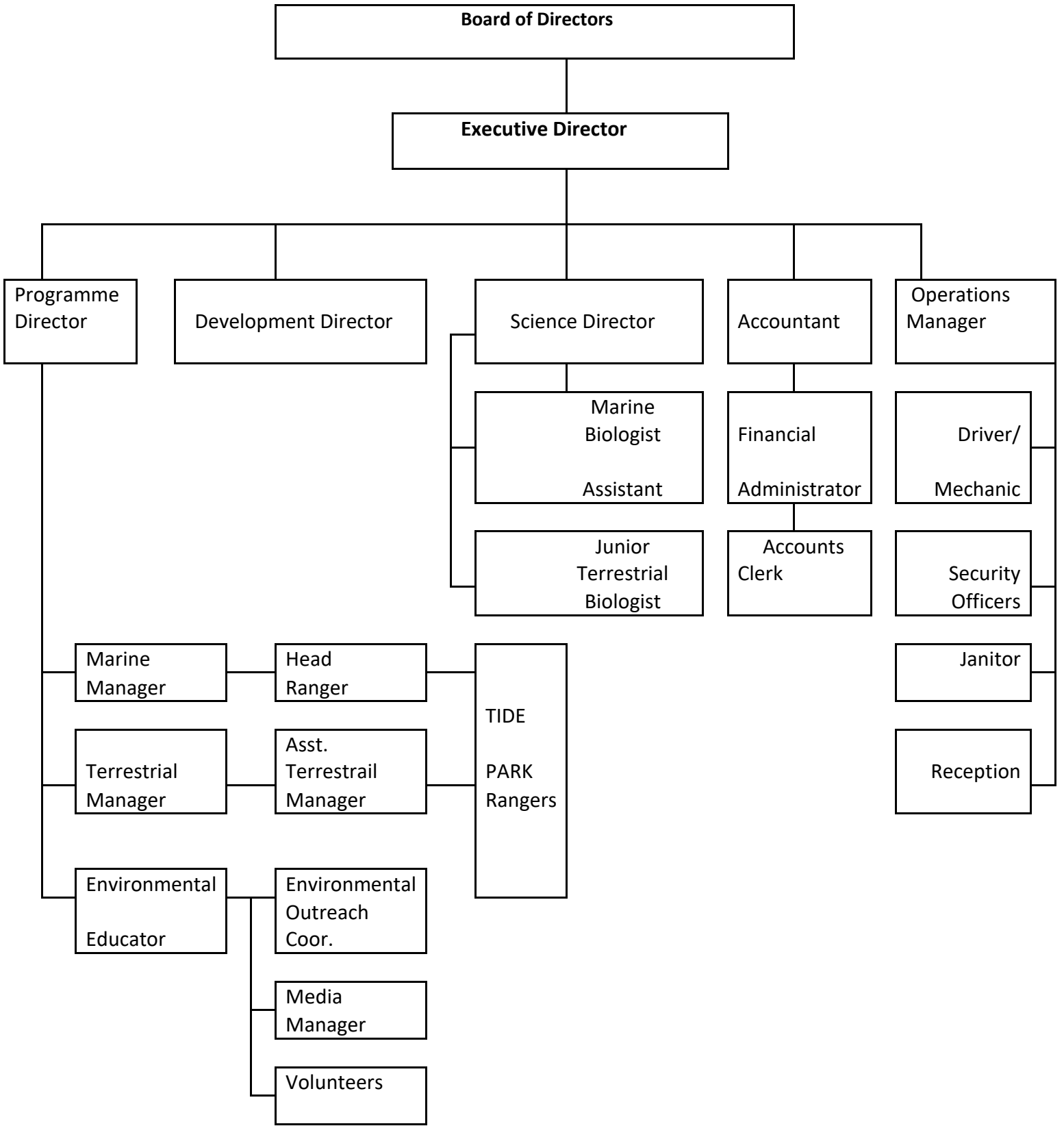
Map of Protected Areas, Private Lands, and Buffer Communities in the MMMC



### Map of the Maya Mountain Marine Corridor (MMMC)

### TIDE'S Organizational Structure

In its inception TIDE started out with volunteers, and has grown to include an Executive Director who manages 28 full time staff and two temporary. The organization also has a policy making body - Board of Directors comprised of individuals from a wide cross section of the society. Please refer to the below organogram.



## About the Port Honduras Marine Reserve (PHMR)

### Introduction

Declared by the Government of Belize in January 2000, the PHMR is being actively co-managed by TIDE and the Fisheries Department. PHMR covers approximately 160 square miles and is an integral part of the MMMC in southern Belize. The reserve is located just off the coast of Punta Gorda and extends north to just north of Monkey River Village. PHMR comprises of all the coastal wetlands, sea, seabed, and national lands within the area known as the Port Honduras with

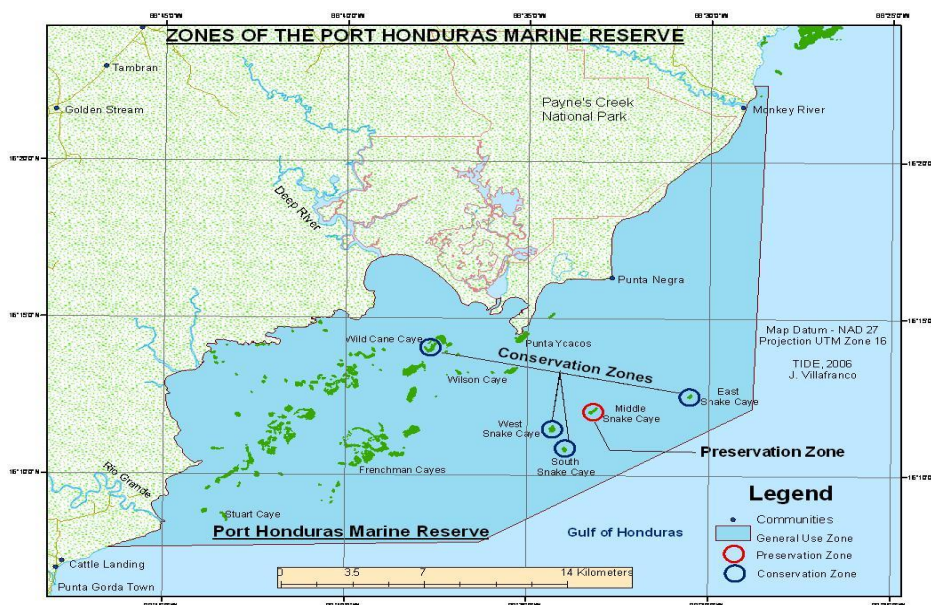
general boundaries being the Rio Grande in the south, Monkey River in the north, the snake cayes

in the east and the coastal wetlands along the coast in the west.

The Reserve is rich in biodiversity containing approximately 138 small mangrove cayes, which provide essential habitat and nursery for juvenile aquatic species. Other critical habitats include sea grass beds, hard bottom communities, and soft bottom communities. A large portion of the reserve is inhabited by sea grass, which also provides essential habitat and food for juvenile fish species, sea turtles, salt water crocodiles and manatee. Also within the reserve you find fringing reefs and several coral patches and coral heads, which provide habitat for vertebrates and invertebrates.

There are two villages located in the Reserve, Monkey River and Punta Negra Villages. The residents of each village are mostly commercial fishers, tour guides, or fly-fishing guides who depend on the Reserve for their livelihood.

### Map of Port Honduras Marine Reserve



### Reserve's Strategic Plan and Goals

The PHMR management strategy is based on five major goals:

1. To protect the physical and biological resources of Port Honduras
2. To provide education and research
3. To preserve the value of the area for fisheries and other important genetic resources.
4. To develop recreational and tourism services that will enhance the economic and social benefits of the area without causing environmental damage.
5. To strive for sustainable financing.

### Zoning Plan and Regulations

For the purpose of the regulation and control of the Reserve, five zones were established:

#### 1. **General Use Zone** (95% of the Reserve)

To provide opportunities for established uses and activities (e.g. fishing for conch, lobster and finfish) under a stringent monitoring scheme.

#### 2. **Conservation Zone**

To provide an area free from commercial fishing to prevent fishery stock from over exploitation, provide an undisturbed area for recruitment of species, and enhance the value of the area for recreational and tourism activities.

#### 3. **Preservation Zone**

To provide areas within the marine reserve that is preserved in an entirely natural state and to protect areas of particularly fragile habitat or with threatened or rare species.

#### 4. **Special Management Area**

Area reserved for special projects

### Staff of the Port Honduras Marine Reserve

Name	Position
Seleem Chan	Manager
Carlos Ramirez	Head Ranger
Godfrey Alford	Assistant Head Ranger (Resigned on August 31, 2011)
Kenley Williams	Ranger
Narciso Martinez	Ranger
Kenworth Martin	Ranger
Edwin Cabreras	Temporary Ranger
Aaron Garbutt	Ranger
Jimmy Boucher	Ranger
Henry Archer	Ranger
James Foley	Science Director
Marlon Williams	Marine Biologist
Gale Mac Nab	Research Assistant



<b>Other Community Members and Volunteers</b>
Lana Cannon
Cecilia Guerrero
Brett Hamm
Paige Knappenberger
Kelly Mowry
Tamara Russel
Meagan Gibson
Stacy Brown

### **Ranger Resigned**

In the later part of 2011 Mr. Godfrey Alford communicated to TIDE he will no longer be holding his post as the Assistant Heading Ranger for PHMR. Mr. Alford expressed his gratitude to TIDE for the opportunities he received while he was with the organization, but will be going onto the Belize National Coast Guard.

### **Ranger Interviews Conducted**

On August 1, 2011, suitable applicants for the available ranger positions were interviewed. Mr. Jimmy Boucher, Mr. Aaron Garbutt and Mr. Henry Archer were selected and were given the opportunity to work with TIDE as a ranger. A probationary period of three months is required before they become a permanent staff for the organization.

Mr. Carlos Ramirez the Head Ranger also resigned from his post. Mr. Ramirez has been with TIDE working within PHMR for a number of years and expressed he is ready to move on. Mr. Ramirez comes from a Fishing Family and expressed his plans are to continue to fish and to venture into Tourism.

The Head Ranger Position will be advertised in January 2012.

### **PHMR Accomplishments 2011**

#### ***Patrols and Surveillance***

A total of 1039 patrols were conducted for 2011. This figure shows a gradual increase in the amount of patrols conducted versus the total patrols conducted for 2010. As a result of these patrols 14 gillnets were confiscated within the boundaries of the reserve and 6 within the sea of Sarstoon River. Six (6) fishers were given warnings for various offenses and 11 arrested.

Table 1 provides a summary of the arrests conducted and the outcome of the arrests for the year 2011.

Table 2 summarizes the number of patrols done for 2011 and also includes the number of night, day and joint patrols, number of patrols conducted outside of the boundaries of the reserve as well as warnings for first offence and number of gill nets confiscated.

Table 3 provides a 9 year trend showing number of patrols conducted, gillnets confiscated and number of arrests made. A brief analysis of the data shows a huge increase in the number of patrols conducted within 2011, this resulted in 14 gill nets confiscated within the reserve and 6 outside the boundaries of the reserve, and a gradual decrease to 11 Fisher folk being arrested for various offences. The year 2007 still holds the highest record for the number of nets confiscated; we believe that this was due to the fact that rangers started to do more night patrols in more areas as compared to previous years. In 2005 the number of arrests made was the highest on record, this was mainly because of a large number of fishers from Monkey River that went out to fish for lobster the day before the opening season, they were all arrested, but was not charged due to reasons beyond our control.

**Table 1: Summary of arrest made within PHMR for 2011**

<b>Date</b>	<b>Place</b>	<b>Name of Person</b>	<b>Description of arrest</b>	<b>outcome</b>	<b>Fine/penalty</b>	<b>Arresting Officer</b>
April 28, 2011	PHMR	Abel Gonzales Jr., Hugo R. Hernandez, Fredy E. Perez, Ezequiel Ramirez, and Simeon V. Batun	Attempting to Export without a valid export license	Confiscated 225 Queen Conch, 23ft. Vessel, 40Hp Outboard Engine	Arrested and Charged	Sean Fox, Carlos Ramirez, Narciso Martinez, Godfrey Alford
Aug. 25, 2011	PHMR	Minor Perez	illegal setting of a gill net within the a marine reserve	Confiscated a long line	Arrested and charged	Seleem Chan
Oct. 25, 2011	PHMR	Hector I. De La Cruz, Noclia Parham and Jiron De La Cruz Parham	Possession of Lobsters with soft shell or molting, Possession of undersized	Confiscated his vessel, outboard engine and marine product, arrested	Will be brought before the Judge on Oct. 26, 2011	Edward Bo – Chub, Narciso Martinez, Kenley Williams, Clayton

			Lobsters, Attempting to export fish without a valid fish exporters license, Employing a person to engage in commercial fishing whilst not being the holder of a valid fisher folk license			Gabriel
Nov. 11, 2011	Sarstoon Area			Confiscated 6 gill nets from within the area		Carlos, Kenworth, Edwin, Aaron
Nov. 16, 2011	PHMR	Rodan Lewis Cabrera and Alonzo D.A Reymundo	Possession of (2) berried lobsters	Summons to Court	Charged	Kenworth
Dec. 2, 2011	PHMR	Leslie Williams	Possession of 1 undersize and 1 lobster with Spawn	Product confiscated and a written warning was issued (1 <sup>st</sup> strike under Manage Access)		Edwin Cabrera
Dec. 4, 2011	PHMR	Marcos Carmen Zuniga, Henry Anthony Williams, Ray Arzu,	Possession of 8 undersize lobsters and 1 molten lobster	Written Warning issued (1 <sup>st</sup> strike under Manage Access)		Edwin Cabrera, Jimmy Boucher, BDF Soldiers

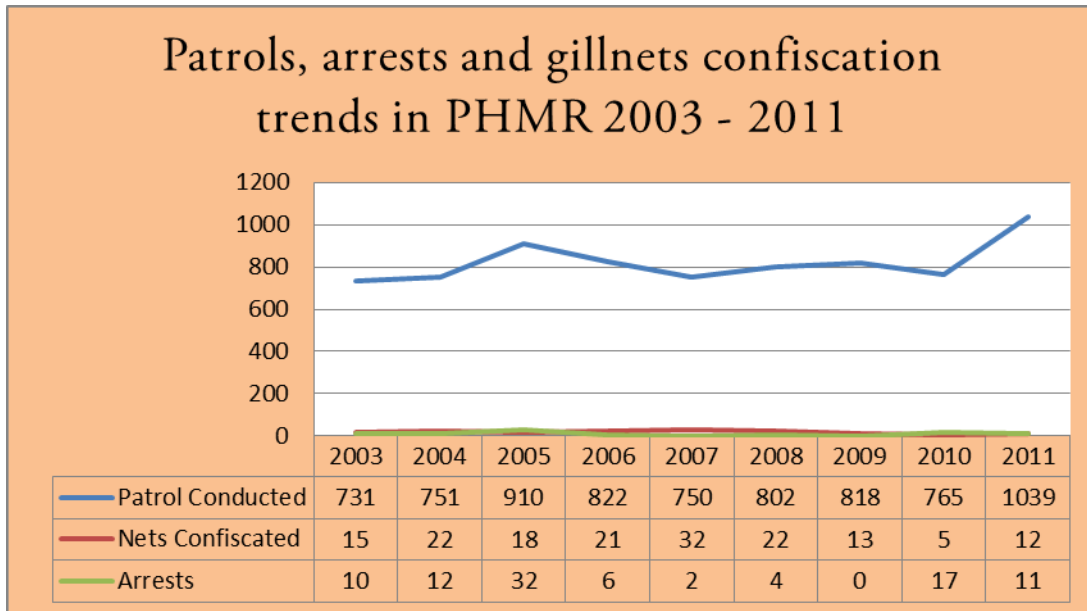
Dec. 5, 2011	PHMR	Kelvin	Possession of 5 undersize, 1 molten lobster and 6 undersize conchs	Written Warning issued (1 <sup>st</sup> strike under Manage Access)		Edwin Cabrera, Jimmy Boucher
Dec. 18, 2011	PHMR			Confiscated 1 gill net from within PHMR		Carlos, Kenworth

**TABLE 2: Patrol summary for 2011**

Month	Day Patrols within the reserve	Night Patrols within the reserve	Joint Patrols	Outside Reserve Boundary Patrols	Arrests	Sub Totals	comments
Jan	55	7	1	1	0	64	2 gill nets found and confiscated
Feb	43	8	0	6	0	57	
Mar	38	4	0	6	0	48	
Apr	61	13	2	2	5	76	5 fishers arrested and charged, 1 gill net confiscated
May	92	7	0	25	0	124	
Jun	61	6	0	17	0	84	1 gill net confiscated
Jul	63	2	0	14	0	79	
Aug	101	6	0	16	1	123	1 arrest for illegal setting of a long line
Sept	72	17	2	2	0	93	1 warning was issued to a Guatemalan National for spear gun within the conservation zones; 4 gillnets were confiscated from within the boundaries of the reserve
Oct	51	10	2	14	3	77	3 Fishers were

							arrested and charged for possession of lobsters with Soft Shell, 2 gill nets confiscated
Nov	67	22	10	20	2	119	2 Fisher were arrested for the possession of (2) buried lobsters, 5 other fishers were warned for other offences, 6 gill nets confiscated outside the boundaries of the reserve, 1 gill net confiscated within the boundaries of the reserve
Dec	53	19	5	18	0	95	5 written warnings were issued, 4 for undersize and soft Shell lobsters , and 1 for undersize conch 1 gill net confiscated from within PHMR
<b>Totals</b>	<b>757</b>	<b>115</b>	<b>22</b>	<b>131</b>	<b>11</b>	<b>1039</b>	

**Table 3: Enforcement trend in PHMR**



**Partnerships**

The PHMR staff continues to work with local and international partner organizations. These partners include Southern Environmental Association, the Fisheries Department, the Police Department, the Belize Defense Force, the Belize Coast Guard, and the University of Belize.

**Erosion of Abalone Caye**

For a number of years Abalone Caye has been eroding. A huge effort was made during 2011 to minimize the erosion that is occurring.



*5 loads of rocks donated for Abalone Caye Abalone*



*Ranger Narciso Martinez enroute to Abalone*



*Before the 5 loads of rocks at Abalone Caye  
the island*

*Abalone Caye after transporting the rocks to*

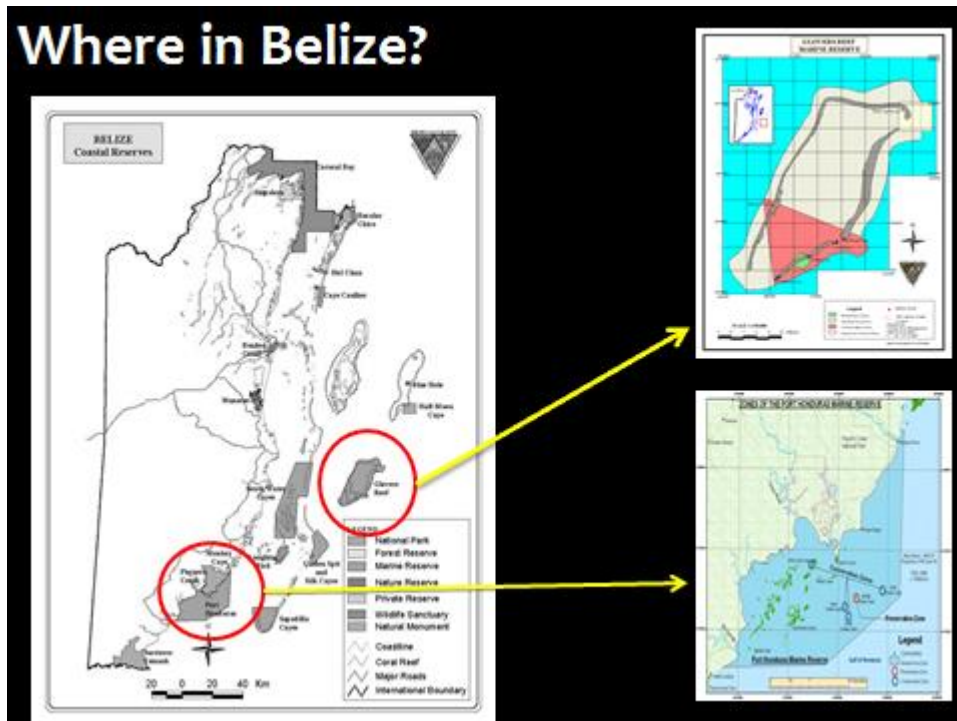
The rangers are working diligently in transporting rocks from Esso Landing to Abalone Caye. Head Ranger Carlos Ramirez and Ranger Narciso Martinez is spear heading the effort, by getting up early in the morning and hauling their first load at 6a.m.

Five truckloads of rocks were donated by the Mr. Eric Moore from the Ministry of Works Department here in Punta Gorda.

### **Community Education and Outreach**

#### **Manage Access in Belize**

In July of this year, a pilot Managed Access License Regime was launched in the Port Honduras and Glovers Reef Marine Reserves in southern Belize.



A managed access refers ending open access fishing in marine reserves. The objective is to ensure access to fishing in marine reserves for fishermen with a documented history of fishing in these areas. The benefits of a managed access policy is that by limiting access it will reduce pressure on the resource, helping the fisheries to recover, and improving the stability of fishermen livelihoods. Fishermen who fall under the managed access system must meet certain criteria that indicate they are legal Belizean fishermen, have a history of fishing and relying on the area, and land their product in Belize.

### Characteristics of the Managed Access License

- Managed access refers to a license system that grants access to fishing in the general use zones of marine reserves.
- Managed access will cover commercial fishermen; however at the same time Fisheries Department would implement a license and bag limit regime for recreational fishermen as currently authorized by the law governing marine reserves.
- After the initial granting of the license, the assumption would be that fishermen have the license for life if they comply with rules and regulations. There would be a required annual renewal of the license. Licenses can be revoked in the event of gross violations. Violations and penalties will be specifically defined by Belize Fisheries Department.



- Once the program is fully implemented, including a transition time, fishermen will not be able to hold both a managed access license and a license to fish outside the marine reserves. However a fisherman could hold multiple managed access licenses for multiple reserves. This is consistent with the fact that fishermen tend to use several areas.

Fishermen will have a central role in the management and responsibility for fisheries through community managed access committees. Fishermen would have the authority and flexibility to coordinate amongst them, and work with managers to recommend management measures; this would empower fishermen to make desired voluntary efforts in sustainable fisheries management.

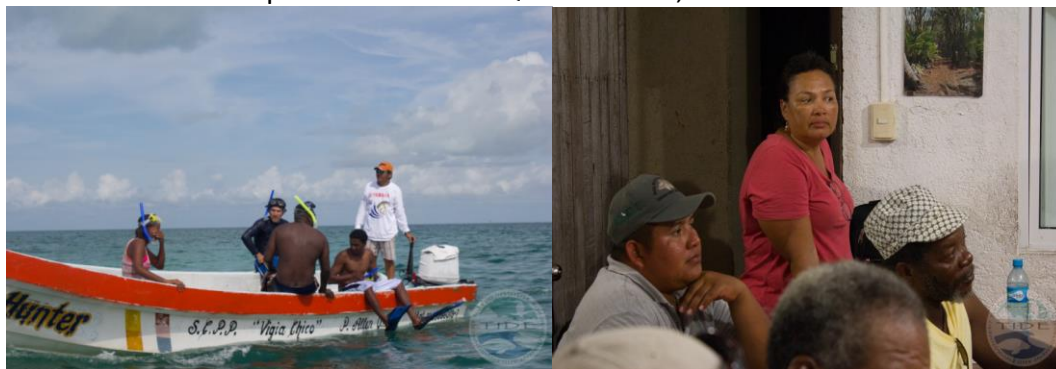
### **Implementation of Manage Access**

Within the first 5 months of implementation of Manage Access within Port Honduras Marine Reserve an increase in illegal fishing was observed during the night. We believe this was as a result of a great number of fishers not receiving a Managed Access license, resulting in not being allowed to fish within the boundaries of the reserve.

A greater need to conduct more patrols at night to deter these illegal fishers is a necessity. For our night patrols to be effective there is a great need for a larger patrol vessel equip with enough Horse Power (Hp) to catch the culprits if necessary. The use of firearms for the protection of the officers on the patrol needs to be considered as well.

### **Site Visit to Banco Chinchoro and Punta Allen, Mexico**

As a part of the implementation of Manage Access in the two pilot sites in Belize, a group of fishers got the opportunity to travel to Mexico to visit two protected areas. On September 26 – 30 2011, Fishers from Port Honduras Marine Reserve, and Glover’s Reef Marine Reserve, along with representatives from TIDE and the Fisheries Department traveled to, Banco Chinchorro and Punta Allen Biosphere reserves in Quintana Roo, Mexico.



*Belizean Fishers harvesting lobsters in Punta Allen*

The purpose of the visit was for the participants to expose themselves to different forms of fisher’s management, and for them to appreciate the true understanding of working together

as fishers. Mr. Adriel Castaneda from the Fisheries Department and Mrs. Celia Mahung from TIDE were the group leaders.

### **Trainings, workshops, meetings**

A number of trainings and workshops and meetings were attended by the staff of PHMR for 2011. Brief summaries of these activities are below:

- On January 17, 2011, the Marine Manager, Seleem Chan attended a Fisheries Department's Managers Meeting up in Belize City. In attendance were managers from the different Marine Protected Areas country wide. Mr. Isaias Majil Fisheries Department's Marine Protected Areas Coordinator was the chair of the meeting.
- Within the month of January 2011, the management staff of TIDE participated in two Management Meetings; the first on January 10, 2011 and the second on January 24, 2011. Management meetings are chaired by Mr. Joseph Villafranco the Program Manager at TIDE.
- On January 31, 2011, the field staff of PHMR attended a rangers meeting chaired by the Marine Manager Mr. Seleem Chan. In the meeting several behavioral concerns were discussed. The meeting was conducted at TIDE's conference room.
- On January 29, 2011 TIDE participated in Punta Gorda town's first ever PG Day. Mr. Norman Budna and other staff members jumped on the opportunity to share the conservation work being done by TIDE.
- For the month of February 2011, two management team meets were conducted, the dates of these meetings are February 7 & 21 2011. At these meetings the managers would present activities accomplished and propose upcoming activities. Concerns from Field Staff are also discussed at these meetings.
- On February 15 – 16 2011, Mrs. Celia Mahung and the Marine Manager Seleem Chan traveled to Puerto Barrios, Guatemala to attend a General Assembly meeting for the Trio-National Alliance for the Gulf of Honduras (TRIGOH).
- Lion Fish Consultation meetings were conducted by Ms. Nidia Chacon from EcoMar. With the assistance of TIDE, Ms. Chacon traveled to the Village of Monkey River and met with a group of approximately thirty (30) fisher folks. This activity was accomplished on February 8, 2011. A similar consultation meeting was conducted on February 9<sup>th</sup> 2011 in Punta Gorda Town.
- On February 11, 2011, the Advisory Committee for the Port Honduras Marine Reserve had its first committee meeting. The meeting was held at the conference room here at TIDE. The meeting was well attended and was a success.

- On February 4, 2011, the Marine Manager, Mr. Seleem Chan conducted a presentation on the importance of Conservation to Standard Three children at the St. Peter Claver School in Punta Gorda Town.
- The University of Belize held its Natural Resource Symposium on March 25, 2011. The Marine Manager, Mr. Seleem Chan presented on the topic, "Catch Shares/Manage Access. The symposium was held at the campus in Belmopan.



*Mr. Chan presenting at NRM Symposium*

- On April 11, 2011, a ranger's meeting was held. Several concerns were discussed but most importantly the concern of handling monies collected from the entrance fee tickets.
- On April 15, 2011, a community consultation meeting was held in Monkey River. The purpose of the meeting was to determine the training needs for the fisher folk community in Monkey River.
- On April 19, 2011, a Manage Access consultation meeting was held in the community of Monkey River. The Manage Access Design and other information were shared with the fishers.
- On May 25, 2011, all field staff of TIDE participated in a Boat Handling and Outboard Engine Maintenance Training held at Abalone Caye. The training material was delivered by Seleem Chan, the Marine Manager with the assistance of Mario Muschamp the Terrestrial Manager, Carlos Ramirez, Head Ranger, Godfrey Alford, Assistant Head Ranger and Ernest Caliz, TIDE's Mechanic.
- On July 1, 2011, the launching ceremony for Manage Access was held in Belize City. Carlos Ramirez and Kenley Williams along with other representatives from the Fishing Community and Tide attended.
- On September 5 – 9 2011, rangers Jimmy Boucher, Aaron Garbutt, Henry Archer and Edwin Cabrera participated in a Special Constable Training organized by Yaxche Conservation Trust.

- On September 11 - 24, 2011, Head Ranger Carlos Ramirez participated in a CAMPAM Training held in San Pedro, Belize.

### Visitors to PHMR

Americans continue to be our most frequent guests, within Port Honduras Marine Reserve with a total of 420 guests for 2011, followed closely by Belizeans with 215. A brief analysis of the data shows an increase in the number of both Belizean and American visitors comparing 2010 and 2011 data. This is shown in graph 1.

Table 3 below provides you with visitation data depicting the number of visitors per month and country of origin for 2011. The data shown below is not a true reflection of the reserves visitation.

There are visitors that venture direct to West Snake Caye, an island within the Conservation Zone; in such a case they do not visit the ranger station and do not record their visit in the log book. To address this concern, a second method of collecting visitor's data was implemented. This is shown in graph 3.

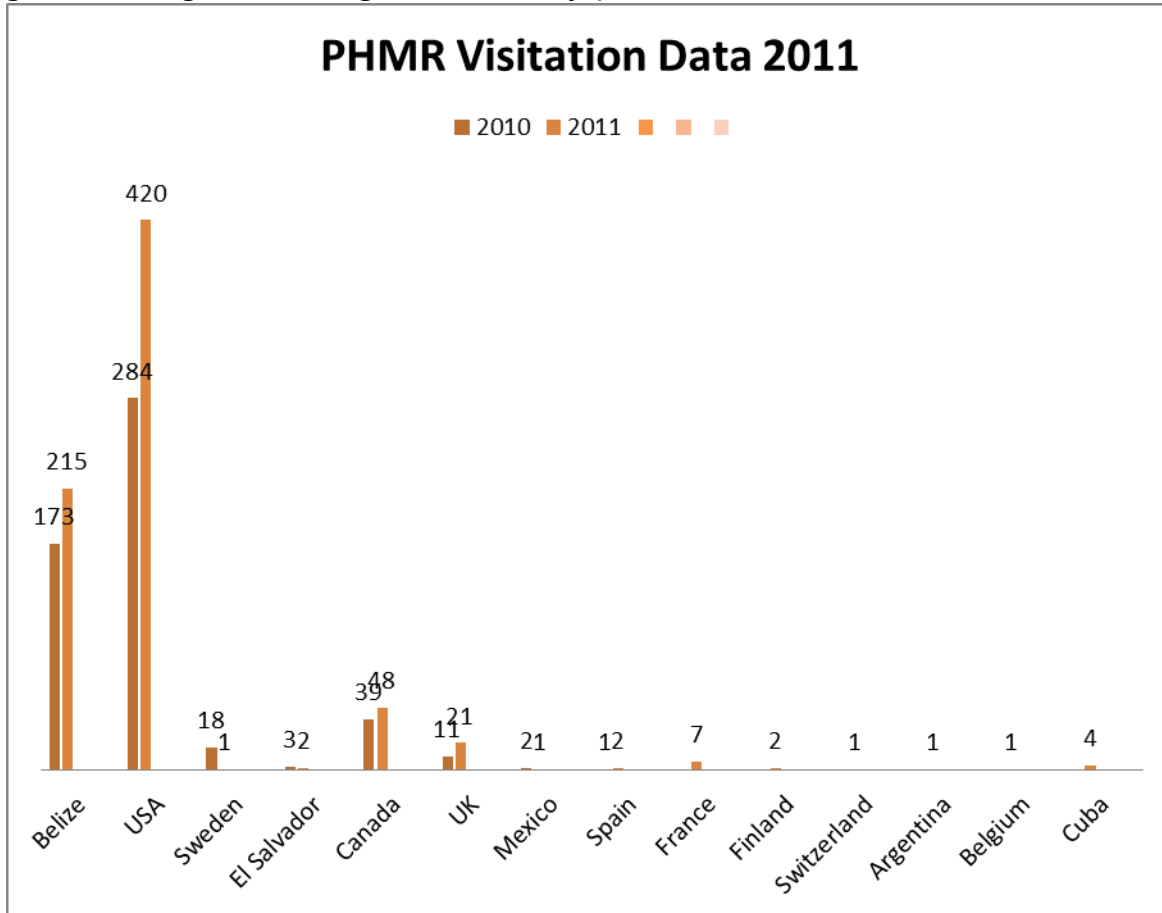
Graph 2 depicts PHMR's visitation trends from 2003 to 2011.

**TABLE 3: Visitation to PHMR for Jan-Dec 2011 by Country (Data from the Logbook at Abalone Ranger Station)**

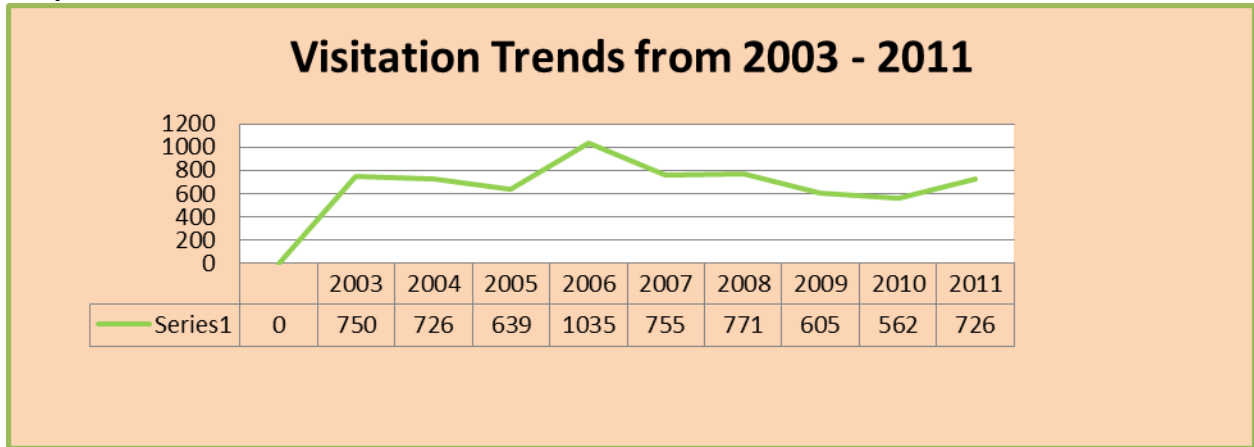
Nationality	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Totals by nationality
Belize	1	0	41	23	30	1	33	0	4	46	20	16	215
USA	62	43	146	42	23	16	3	6	3	0	53	23	420
Sweden	0	1	0	0	0	0	0	0	0	0	0	0	1
El Salvador	2	0	0	0	0	0	0	0	0	0	0	0	2
Canada	0	1	30	0	14	0	0	0	0	0	1	2	48
United Kingdom	0	0	0	1	12	0	0	6	0	0	2	0	21
Mexico	0	0	0	1	0	0	0	0	0	0	0	0	1
Spain	0	0	0	0	2	0	0	0	0	0	0	0	2
France	0	7	0	0	0	0	0	0	0	0	0	0	7
Finland	2	0	0	0	0	0	0	0	0	0	0	0	2
Switzerland	0	0	0	1	0	0	0	0	0	0	0	0	1
Argentina	0	0	0	0	0	1	0	0	0	0	0	0	1
Belgium	0	0	0	0	0	0	0	1	0	0	0	0	1

Cuba	0	0	0	0	0	0	0	0	0	0	0	4	4
Monthly totals	67	52	217	68	81	18	36	13	7	46	76	45	<b>726</b>

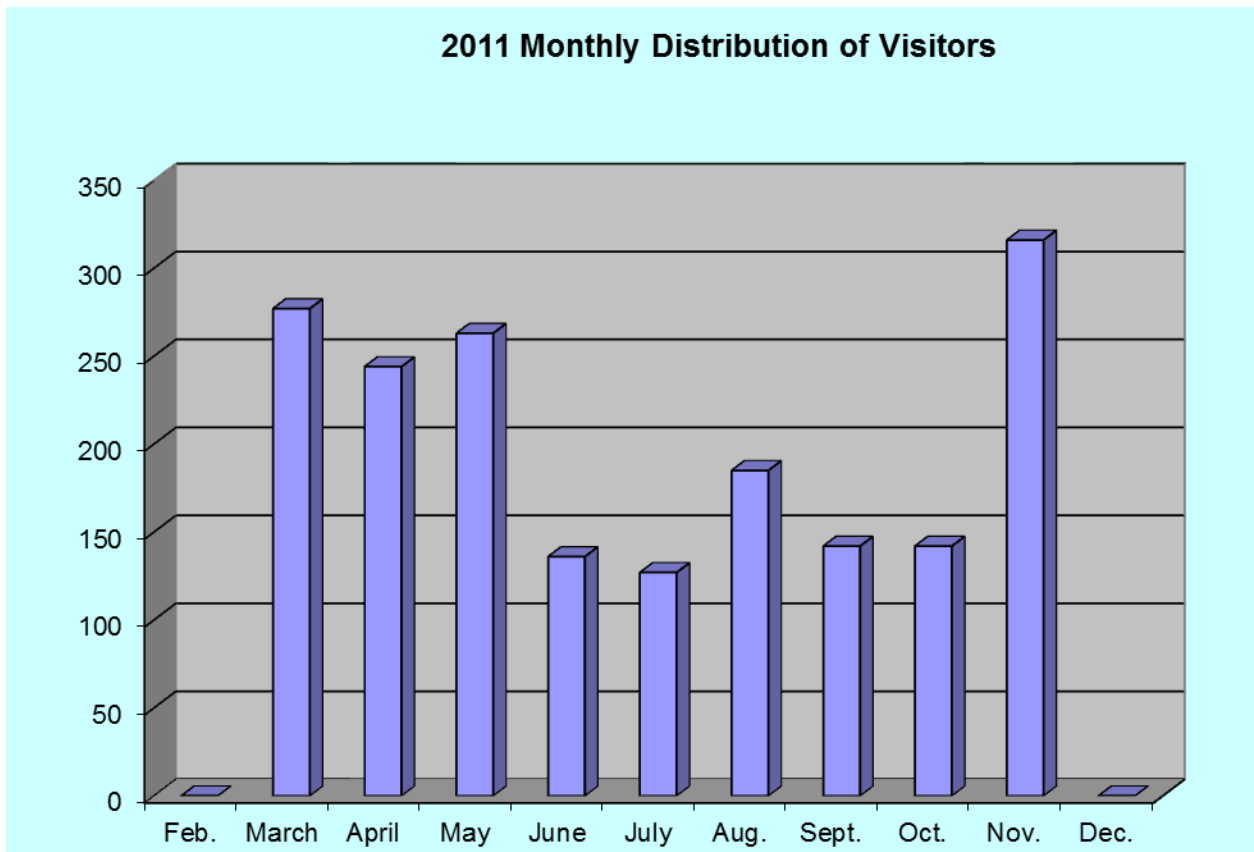
**Graph 1: Visitation data by country for 2010 and 2011 (Note: data collected is only from guests that sign into the log at Abalone Caye)**



**Graph 2: Visitation Trends for PHMR since 2003 - 2011**



**Graph 3: Visitation Data collected within PHMR**



**Users of the Reserve and vessel names for 2011 (*this not a true list of all the fishers using PHMR*)**

<b>FisherFolk</b>	<b>Boat Name</b>
Marcial Mes	Lynn
Carl Gonzalez	Carlita
Martin Reyes	Charity
Eloy Cuevas	Trouble
Nery Coleman	Yomira
Winsley Garbutt	Dania
Alvaro Romero	Bruno
Alfredo Canelo	Puma
Esquivel Ramirez	Ever
Leslie Williams	Silence
Darwin Garbutt	Delanie
Lionel Delcid	Gilda
Cristian Trapp	Marie Julie
Felix Gutierrez	Janett
George Ramirez	Viviana
Darwin Garbutt	Delanie
Martin Reyes	Charity
George Garbutt	Mystic
Jose Ariola	Andrea
Ray Arzu	Sheridan
Rafael Ramirez	Anna
Beham Parham	Mariela
Leonardo Garcia	Evelyn
Ezequiel Ramriez	Mariela
Walton Parham	Maria Juli
Kent Audinett	Admiral
Jason Martinez	Big Game
Roy Ramirez	Tesha
Geovanni Ramirez	Eagle
Conrado Perez	Mirrza
Freddy Perez	Paola
Roberto Echavarria	Wild Thing
Valerio Perez	Delfin
Wilder Parham	Alejandra
Daniel Tillett	Tunvo
Marcos Barrientos	Paloma
Abraham Perdomo	Lewis

***Sport Fishing/tour guides and their vessel names 2011***

Mikhail Martin	Brown Sugar
Eworth Garbutt	Destiny
Lionel Martin	tight line
Bobby Polonio	Princess
Daniel Castellanos Jr.	Xavi
Ian Cuevas	Opportunity
George Garbutt	Mystic
Eloy Cuevas Sr.	Fugitive
Roberto Echavarria	Wild thing
Oliver Garbutt	Sea Life
Thomas Garbutt	Unity



**TIDE Board of Directors**

Gabriel Roches – Chairman – Public Officer

Alistair King – Vice - Chairman -*Local Businessman (Texaco & Fabrigas)*

Alexander Garbutt Sr. - *Local Fisherman and Tour Guide in Monkey River*

Eric Moore – Treasurer - *Ministry of Works, Toledo*

Marie Aleman – *Retired*

Kamela Palma –

Dale Gomez – PCNP Representative

Derwin Garbutt – PHMR Representative

Celia Mahung – Ex – Oficio Member - *Executive Director, TIDE*

Darius Avila – TIDE Accountant

**TIDE Staff****Management Staff**

Executive Director: Celia Mahung

Operations Director: Stephene Supaul

Program Manager: Joseph Villafranco

Development Director: Lana Cannon

Education and Outreach Coordinator: Norman Budna

**Administrative staff**

Financial Administrative: Danny Hun

Receptionist: Ethon Wagner

Accounts Clerk: Kimberly Coleman

IT Officer: Paul Etienne

Driver/Mechanic: Ernesto Caliz

Office maintenance: Claudette Borland

**PHMR Advisory Committee**

Wilfred Mutrie/Dennis Garbutt/Alex Leonardo: BTIA – PG

Celia Mahung: TIDE Executive Director

Derwin Garbutt.: Fisherman Monkey River

Hon. Eden Martinez/Delly Martinez: Toledo East Area Representative

Ms. Fern Gutierrez Mayor – PG Town Council

George Ramirez: Rio Grande Fisherman Cooperative – PG

Lyndon Rodney: Fisheries Department – PG

Philip Morgan: Lecturer, UB – Toledo

Paula Williams: Punta Negra Village

Seleem Chan: PHMR Manager

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