

CORPORATION FOR THE SUSTAINABLE DEVELOPMENT OF THE
ARCHIPELAGO OF SAN ANDRES, OLD PROVIDENCE AND SANTA CATALINA
-CORALINA-

General report on Caribbean Archipelago Biosphere Reserve: Regional Marine Protected Area System education Program year 1, presented to Elizabeth Taylor, sub director of Environmental Management and Marion Howard, CORALINA's Environmental Advisor and MPA Project Coordinator by Evans Baldonado, MPA project Community Promoter and Cesar Robinson, MPAs System Education Specialist.

During the first two weeks of October 2000 a number of schools was visited in San Andres to arrange MPA general introduction classroom activities. The schools that accepted our proposal were: The Adventist school, CEMED, Luis Amigó, Instituto Técnico Industrial (ITI) and Bolivariano.

The First one we developed the activity at was the Adventist school, on October 25th at 8:00 a.m. We arrived there ten minutes before eight and reported to the Academic Coordinator Office; she immediately organized all the students of tenth and eleventh grades (over 120) in the Theater, then we began the activity. First of all, we introduced ourselves, followed by a short comment or brief introduction on MPA Projects, then the video was shown during 25 minutes to which most students were receptive except those that were sitting in the back chairs, after the show students asked the following questions:

1. Is CORALINA going to do something similar in San Andres?, so I told them that the goal was to develop four MPA Projects; initially one in San Andres and another in Old Providence and Santa Catalina, and later one in the northern cays and another in the Southern cays.
2. When is CORALINA going to do this? I said that the video show was like the beginning of the educational part of San Andres MPA Project.
3. How can we participate? I told them that what they could start doing was extending the information they got today to friends, neighbors, relatives, etc. and that later on maybe they could do some other things.
4. Can we get a copy of the video? You can take a blank video tape to the Corporation and get a recording of the material.

After that, some important facts were read about MPA Projects and some handouts were delivered that contained more related information. The English teacher who was present said that he would put students to analyze

the handout in his classes. We thanked them all for their attention and interest before leaving.

The following day, 26th of October, we went to Luís Amigo School. We began the activity at 10:20 a.m. We had more than 50 students from tenth and eleventh grades. Our impression was that it was a very organized institution because students were very disciplined and not so noisy. They watched the video attentively and two students got up and said that they belonged to the Students Obligatory Social Work Group that was working precisely on Marine Ecosystem Protection and that they were aware of the importance of barriers reefs for marine life. Some of the questions students asked were these:

1. How does garbage affect the reefs? (I told them that I would get information on this)
2. Where will CORALINA get funds to develop the MPA Projects? I told them that GEF is sponsoring them.
3. How does the dirt affect the marine ecosystem? I told them that erosion as a result of logging or deforestation causes sedimentation that was taken to the reefs by water streams or gullies.
4. How can we help with this project? By extending this information to as many people as possible.

Some important facts were read about MPA Projects then gave them some handouts. They were all happy and expecting future activities.

On the 27th of October we went to the Instituto Técnico Industrial (ITI). The video show began at 9:30 a.m., students were not very disciplined so I do not know if we could consider the activity as a success, maybe they were too many, over 100, and teachers could not get them concentrated on the video.

1. Some questions were the following:

Where was the video developed? I told them that the answer was very easy if they had paid attention. Then I said that it was in Saint Lucia.

2. How can we help with the project? First of all by sharing this information with everybody you know.

Some important facts on MPA projects were read while Evans gave them the handouts.

They were thanked for their interest and attention before leaving.

The second of November we presented the video to over 50 students from tenth and eleventh grades at the Bolivariano school. This was definitely the most interested and aware group. They were very receptive and wanted to know things such as:

1. Is this project going to affect the Artisanal Fishermen? Yes but positively in the sense that they will be the ones to decide on the future of their work during the zoning process which will surely bring benefits to them.
2. What will happen after the project finishes? The project must continue and become self-sustainable to guarantee from then on the welfare of the marine ecosystems.
3. Who will handle the MPA Project? The community, specially sea users.
4. Is it truth that CORALINA banned the use of the waste water plant that the local government bought some years ago? Yes.
5. Why? Because the Governor then, before purchasing such plant had requested CORALINA's opinion about it and the corporation had recommended him not to buy that one but another because the one he planned to buy could not fulfill with the real needs of the island, however the governor did not take this advise into account and bought the same plant he planned to, that is the reason why CORALINA has not allowed its use. (I will find out more about this to give you more details in a future occasion).
6. Does CORALINA teach people how to recycle? Yes it does (I will see if it is possible that CORALINA help you students with a talk on that).

We had begun the activity at 8:00 a.m. and we were still there almost until ten o'clock hearing students ideas on environmental topics. Finally, we gave them the handouts and thanked them and the teachers for their attention.

N.B.: At all these schools the importance of the zoning process was explained and marine area distribution was spoken about: No entry zones, No take zones, Special use zones and Artisanal fishing zones.

February, 2001

During the first week of February 2001, Evans began to collect information on what schools in SAI were interested in attending our MPA General Introduction classroom activity program. The following were identified: Christian Mission School, Escuela Nacional, Colegio Sagrada Familia, First Baptist School, CEMED, Escuela Departamental Nataña and CAJASAI.

The first school that was visited this year was Christian Mission on February the 12th. There we showed a video on Coral Reefs to the whole school because we considered that the General Introduction to MPAs could be difficult for them to understand. This was done in the church and the highest level that attended the activity belonged to 4th year. Students and teachers were all happy. Although they were small, students got the message and identified species on film. At the end they clapped and wanted more.

The second school we visited was Escuela Nacional on the 13th of February. There we also showed the Coral Reef video since it was a Primary Level School as well as the former. There we worked with third and fourth year students. They were very interested and were able to reply to questions like the following:

1. How did you identify corals on video? - One boy said that because it had the form and look of a brain.
2. Why are mangroves important? - Because many animals live in them.

The principal said that she is always open to activities planned by CORALINA.

A teacher was complaining about the way neighbors handled their wastes. He said that they would throw them near the school in plastic bags.

On February the 13th we also went to Colegio Sagrada Familia where we projected the video to a group of students of 11th year. They were very open to the show and at the end they asked the following questions:

1. Who will determine the MPAs zoning in the Archipelago? - I told them that the community and specifically the stakeholders.
2. How do you plan to get to the stakeholders? - Throw a Zoning Consultation Program based on pertinent workshops.
3. Why do they charge at "La Piscinita" to see the fish? Students were afraid that someday the owner of West View restaurant would do the same.
4. Why the Blowing Hole does not blow anymore?
5. Why are there so many houses around the Blowing Hole?
6. Why is the Blowing Hole so forsaken and dirty?
7. Why CORALINA does not exact people to fulfill environmental regulations? - CORALINA is doing as much as possible to recover and preserve both land and marine ecosystems of the Archipelago. That is our purpose with all these activities and projects.

On February the 14th we went to two schools, first to the First Baptist School, where we worked with three groups of 9th year students. They were all very attentive to all what was said and done but did not have questions nor comments at the end. The Principal who is Edelmira Hawkins wanted to know if there will be a Social Service Project for students this year at CORALINA.

The second school we visited today was CEMED, there we worked with a group of seventh year students (7th A), they were also very receptive and interested in the information we gave them, they only watch like half of the video because their VHS had some problem, anyway everything was explained to them concerning the MPAs General Introduction activities. They were all happy and had no questions. Teacher asked me to evaluate the activity, so I wrote four questions on the board concerning what was explained, teacher would check the answers the following class.

Questions:

1. How did the process of organizing MPAs in the Wide Caribbean Region begin?
2. When and where did the corresponding conference take place?
3. How will we organize the MPAs System in our Archipelago?

Teacher also asked us to come back on the 22nd of February to project video to
7th B.

On February the 15th we showed video at Colegio Departamental Natania to two groups of 9th year students. They were all well stimulated and at the end two of them (girls) did a summary of what was said and seen. There were no questions and the principal told us to keep this school in mind for any kind of environmental activities in the future. The school community plan is to establish an Environmental Bachelor there in coming years.

On February 27th we showed the video at CAJASAI School to a group of 9th and one of 10th years. They were all pleased and thought that setting up the MPAs System in the Archipelago was a smart idea. The professor said that he would do some useful activities taking advantage of the handouts we delivered to students and him. The professor was worried about Iguana extinction in San Andres. He said that people were still eating them and their eggs. A student wanted to know if this project was limited only to the sea areas. I told him yes but that there were other projects that would focus on land as part of the overall Biosphere Reserve project.

Introduced classroom activity of MPAs project at Adventist school to 9th year students on May 9th and accompanied Martha Inés García, CORALINA Marine Biologist as well as George Barker, CORALINA Community Promoter, Roberta Wilson and Laura Caursa, master students from Heriot-Watt University (Edinburg, Scotland) along with students on a mangrove field trip. Students had really enjoyed themselves in both activities and had the following questions:

1. Is the sewage system (outflow) that the governor is trying to build going to affect the coastal ecosystem? The corresponding environmental impact studies are already done (Martha Inés García).
2. If people should swim there do they run the risk to get infected? Yes there is a risk (M.I. G.).
3. Do some hotels down town dump human waste in the sea? There is not really a direct dump in the sea there now. This has been controlled lately as well as those of the hospital. CORALINA does 4 monitoring yearly in these areas (M.I.G.).
4. Will the outflow system affect marine species that live 500 meters from the reef? No, because before the waste gets there it will already be filtered by a treatment plant (M.I. G.).
5. What about those animals that feed from waste if there is no waste? Animal generally feed from natural waste. (M.I. G.).
- 6.
7. Why do people deforest so much here and never plant small trees to compensate? We all must start reforesting but with natural trees. The teacher said that trees were cut from this school yard because they were not native and were creating a negative impact in the area but that the idea was to reforest soon with native trees.
8. Is it true that corps parts are dump in the sea behind the hospital attracting sharks? Could be but this is being controlled. In fact sharks are sporadically seen in that area. (M.I.G.).

Table 1: Caribbean Archipelago Biosphere Reserve: Regional Marine Protected Area System General Introduction Classroom Activity in SAI

<i>Target schools</i>	<i>Level</i>	<i>Date</i>	<i>Time</i>
Adventist	11 th	October 25 th	8:00a.m.
Luis Amigo	10 th - 11 th	October 26 th	10:20 a.m.
Instituto Tecnico Industrial	10 th - 11 th	October 27 th	3: 00 p.m.

<i>Target schools</i>	<i>Level</i>	<i>Date</i>	<i>Time</i>
Instituto Bolivariano	11 th	November 2 nd	10:00 a.m.
Christian Mission	4 th	February 12 th	8:00 a.m.
National	4 th	February 13 th	8:00 a.m.
Sagrada Familia	11 th	February 13 th	10:00 a.m.
First Baptist	9 th	February 14 th	10:00 a.m.
CEMED	7 th	February 14 th	9:00 a.m.
Colegio Deptal. Natania	9 th	February 15 th	3:00 p.m.
CAJASAI	9 th -	February 29 th	2:30 p.m.
CAJASAI	10 th	February 29 th	3:30 p.m.
Adventist	9 th	May 9 th	9:00 a.m.

OP/SC

On March the 15th we did our first classroom activity program at Colegio Modelo Adventista in Rocky Point with students from sixth to eleventh years. The following day we did the same at Escuela María Inmaculada with students of 4th and 5th years. That same evening (March 16th) we introduced the project to the Central Baptist Church Youth Group in town coordinated by Neyib Thyme; they had the following questions:

1. "Can we as an organized group develop environmental projects here in OP/SC?"
2. "Is CORALINA going to forbid bay fishing?" (My impression was that they did not want this to happen).

On March the 20th in the morning, we developed classroom activities at Junin School to students of 6th and 7th years and in the evening to half of the school (adult students), they were very interested and had already gotten some related information. One of them wanted to know why were there so many foreign fishing vessels exploiting our marine species?. Another though that Honduranian fishers had more privilege to resources than Islanders.

On March the 21st we continued with the classroom activity program at Junin School with students of 8th and 9th years. That same evening we developed a meeting at the Salt Creek Baptist Church in Lazy Hill with their youth group. They also wanted to know what was going to be done about foreign industrial fishing in the northern keys.

On the 23rd we introduced classroom activity program to students of 10th year at Junin School and on the 26th in the afternoon we had a meeting with

the NGOs to which only Trees and Reefs Foundation went. That same evening as well we held one with the Adventist Church members in Town.

Table 2: Caribbean Archipelago Biosphere Reserve: Regional Marine Protected Area System General Introduction Classroom Activity in OP/SC

<i>Target s Schools</i>	<i>Level</i>	<i>Date</i>	<i>Time</i>
Adventist school	6 th to 11 th	March 15 th	9:00a.m.
Maria Inmaculada	4 th - 5 th	March 16 th	10:00 a.m.
Junin School	6 th	March 20 th	8:00 a.m.
Junin School	7 th	March 20 th	9:00 a.m.
Junin School (night)	6 th to 9 th	March 20 th	6:00 p.m.
Junin School	8 th	March 21 th	8:00 a.m.
Junin School	9 th	March 21 th	9:00 a.m.
Junin School	10 th	March 23 rd	8:00 a.m.
Junin School	11 th	March 23 rd	9:00 a.m.

Developed MPAs project meeting with Barrio Obrero communitary action group on May 19th, 2001, from 7:30 to 8:25 p.m. which was attended by 13 people. First of all Mr. Roberto Pardo, president of the organization directive board gave the welcome, then Evans Baldonado and I introduced ourselves. Later I gave some brief comments on project talking about its mission, objectives and functions. Then, the SMMA video was shown.

QUESTIONS AND COMMENTS

- ⑩Sagrada Familia and Bight neighborhoods have some communitary septic tanks which are now flowing over and we down here in Barrio Obrero are receiving all that filthy water as well as Hooker Bay. We need a solution to this.
- ⑩Is it possible to demand the electricity company for all the damage that it has done to Hooker Bay with the waste oil?
- ⑩We have denounced several problems to CORALINA and got no solution. It seems to be that there are no effective regulations on environmental issues (Roberto Pardo).
- ⑩Thi Communitary Action group wants to work to solve some of the problems. CORALINA needs to be more constant in terms of vigilance.

- ⑩ Would be good if CORALINA carries out an education campaign in this neighborhood with flyers and booklets.
- ⑩ There are two wetlands near here: Zota 1 and Zota 2 which are almost dead now because a street was constructed years ago not considering them. They have dried up and are full of garbage. We are willing to clean them up but we need CORALINA's support in the sense of offering us the refreshment. I will set up an estimation of how many we would need then go speak to Doctor June Marie Mow (Roberto Pardo).
They were all very enthusiastic about the meeting and said to come back again.

Developed MPAs meeting at Cesar Gaviria neighborhood on May 23rd from 8:00 to 8:45 p.m. thirteen people attended it. After Evans and I introduced ourselves, I explained the mission, objectives and functions of the MPAs project. People asked the following questions and made these comments:

QUESTIONS

- ⑩ Why there is not a control on industrial fishing?
- ⑩ Why did Coralina take away the he-crabs from us?
- ⑩ Is it forbidden to do bay fishing?
- ⑩ Why do people deforest so much and do not reforest?
- ⑩ How do the big hotels affect the environment?
- ⑩ Can animal abuses be denounced at Coralina? We ask this because someone here tied a cat by its tail with a string on which there was a can, it ran crazily for many hours.

COMMENTS

- ⑩ A lady who represents Cesar Gaviria's neighborhood ecology committee is trying to stimulate reforestation there at present.
- ⑩ We would like to watch SMMA video although it is in English.

Observation: Considering the last comment we showed SMMA video to them on Saturday the 26th of May from 8:00 to 8:30 p.m.

Carried out MPA general introduction meeting at Natania neighborhood on June the third at 4:00 p.m. It was held at the communitary hall and was

attended basically by children between 6 and 16 years of age as well as by an ex-president of such communitary action group, Merlis Gonzalez. We introduced ourselves saying where we were coming from and the purpose of our being there. Merlis Gonzalez said that in 1999 this communitary action group had attended a meeting of CORALINA where the Biosphere Reserve proposal was presented. Evans told her that the Archipelago was declared as such in November, year 2000. Later, I told attendants that we all should help take care of our islands avoiding dumping garbage all over and that we should not leave plastic bags, cans nor bottles on the beach nor throw them into the sea. They said that from now on when they see people doing this, they will tell them to pick it up. Merlis said that she goes to the beach every morning to do exercise and that she always picks up whatever she finds there. She is aware that plastic bags are very difficult to decompose.

I told them that most of our territory was water and that this was the reason why we should protect the sea because we depend on it to survive.

The children named many marine species to show us that they knew many things about the sea.

Later, the SMMA video was shown, as it ended they asked the following questions:

QUESTIONS

- ⑩ How does the septic water that is thrown into the sea affect it?
- ⑩ What happened to the waste water treatment plant that was purchased by the local government a few years ago?

COMMENT

- ⑩ We must not throw garbage in the sea.

We thanked Merlis Gonzalez very much for gathering this group of children and promised her that whenever she got the adults together we would come back. We also gave her some flyers (“What is happening to the Sea in the Seaflower Biosphere Reserve”) before leaving.

Table 3: Caribbean Archipelago Biosphere Reserve: Regional Marine Protected Area System General Introduction Meeting in SAI

<i>Target groups</i>	<i>Date</i>	<i>Time</i>
Emanuel Baptist Church	August 1st	7:30 p.m.
First Adventist Church	August 19 th	3:00 p.m.
Conservation & Native Rights NGOs.	September 19 th	4:00 p.m.
San Pedro Obrero Community Action Group	May 19 th	7:30 p.m.
Cesar Gaviria Community Action Group	May 23 rd	8:00 p.m.
Natania Community Action Group	June 3 rd	4:00 p.m.
Sound Bay Baptist Church	April 16 th	7:30 p.m.
First Adventist Church	April 28 th	5:00 p.m.
Lynval 1 com. Baptist Church	April 29 th	6:30 p.m.
Christian University	May 4 th	8:00 a.m.
Central Baptist Church	May 15 th	7:00 p.m.
Houffy Christian Mission Church	June 10 th	6:00 p.m.
Schooner-bight Baptist Mission	August 2 nd	7:00 p.m.
Seven-day Adventist Church (Hill)	August 4 th	7:00 p.m.
Light House Baptist Church	August 5 th	6:30 p.m.
SENA	August 13 th	9:00 a.m.
SENA	August 13 th	10:00 a.m.
SENA	August 14 th	9:00 a.m.
SENA	August 14 th	10:00 a.m.
First Adventist Church	August 18 th	6:00 p.m.

Held MPA general introduction meeting in the Bottom House section on June the 4th; 4 people attended it. After introducing ourselves (Giovanna Peoñaloza and I), the mission, objectives and functions of the Caribbean Archipelago Biosphere Reserve: Regional Marine Protected Area System was read and the SMMA video was shown, then an attendant asked the following question:

QUESTION

- ⑩ What will be done about industrial fishing in our territory? (Ferma Livingston)

COMMENTS

- ⑩ The Hondurians are taking away everything.
- ⑩ I am 57 years old now, when I was a child we would go right down there to the mangroves and catch the biggest lobsters that you can imagine. We did not need to buy fish.

Attendants thought that this project was very good for the Archipelago and they would like to see it go through.

We gave them a copy of the flyer “What is Happening to the Sea in the Seaflower Biosphere Reserve” then thanked them for coming and told them to share the information with their neighbors and friends.

On June the 5th morning, Giovanna and I wrote invitation letters for Town, Jones Point, Caballete and Old Town sections and in the afternoon at 4:00 p.m. Carried out meeting with Freetown community at the convent, 9 people attended it. After listening to our introduction, mission, objectives and functions of the project and watching the SMMA video they made the following comments.

COMMENTS

- ⑩ The future generations will know conches and lobsters but in books if things continue the way they are.
- ⑩ I remember when my brothers used to go to catch 200 conches before going to school in the morning (Elizabeth Cabezas).
- ⑩ People used to catch the conches and after breaking them out dumped the shells among the live ones and did not know that this would run them off (Regino Robinson).
- ⑩ We are trying to do periodic garbage campaigns here in Freetown (Jenifer Bowie).

- ⑩ We used to catch plenty of snappers and jacks right behind my house a few years ago (Regino Robinson).

After this, we gave them all a copy of the flyer “What is Happening to the Sea in the Seaflower Biosphere Reserve?” before thanking them and leaving for South West Bay.

That same afternoon at 6:00 p.m. we held the MPA general introduction meeting at Bombona school with the South West Bay community; 9 people showed up who enjoyed the SMMA video and information given. They made the following comments.

COMMENTS

- ⑩ It is important to develop this project because we will have more to show the tourists and replenish the fishing grounds (Luz Marina Livingston).
- ⑩ I think that we must try out the project, it is something good (Osario Livingston).
- ⑩ More people should come out to hear about this and see what is going on in Saint Lucia (Luz Marina Livingston).
- ⑩ We must educate the community to avoid the fish from dying out (Osario Livingston).
- ⑩ Tourists used to buy black coral and conch shells from the fishers. Right now tourists are paying \$ 5.000 for a conch shell.

After giving out flyer “What is Happening to the Sea in the Seaflower Biosphere Reserve?” we thanked attendants for coming then left.

On June the 6th at 3:00 p.m. a meeting was held with Mc Bean Lagoon Park staff at their office. Mission, objectives and functions were presented to them as well as SMMA video; they were all very enthusiastic and made the following comments.

QUESTIONS/COMMENTS

- ⑩ What can we get from the project?
- ⑩ How can Mc Bean Lagoon Park participate?
- ⑩ What is the function of Mc Bean Lagoon Park in the Seaflower Biosphere Reserve and the Caribbean Archipelago Biosphere Reserve: regional Marine Protected Area System as a core zone?
- ⑩ What is our position in the MPA project?
- ⑩ We only permit subsistence fishing in the Mc Bean Lagoon Park.
- ⑩ What should be the role of the core zone in the MPA system?
- ⑩ You should ban spear gun fishing by type since people only want to eat a certain kind of fish here and those can disappear some day.

Observation: Javier Archbold, Mc Bean Lagoon Park coordinator thinks that the Environmental Education program of which they were pioneers in OP/SC according to him, is not being recognized and supported by CORALINA . He thinks that both CORALINA and Mc Bean Lagoon Park should come together and do one big program jointly.

We delivered flyers to staff and thanked them for accepting us to share information with them.

At 4:00 p.m. we carried out general introduction meeting in Old Town at Yan Yan place, 5 people accompanied us who made the following comments after receiving MPA project pertinent information and watching SMMA video.

COMMENTS

- ⑩ This is a very good idea, people prefer to sit at the road side instead of coming to get this kind of message (Prof. Lyndon Thyme).
- ⑩ There was a talk at the school where I work given by Javier Archbold from Mc Bean Lagoon Park and students said that fish could not finish, that is what they hear from their parents (Ivon Watson).

QUESTION

- ⑩ What is going to be done to the Honduranian boats in the cays?

After thanking people for coming and giving them flyers we left.

That same evening at 7:30 p.m. we carried out MPA general introduction meeting in the Rocky Point neighborhood at the Baptist Church, 13 people

attended it. They liked the SMMA video very much as well as the information we shared with them and thought that project was necessary. Based on MPA project's mission, objectives and functions Pastor Salomon Garay developed his preaching later. He said the following:

⑩ We need to find the way to control foreign fishing in the northern cays. He also told the church members that were present that the bible says that we must take care of what we have because otherwise we will lose it. We gave each person a flyer before thanking them and leaving.

On June the 7th at 4:00 p.m. we carried out MPA general introduction meeting at Villas Santa Catalina Hotel with Catalina's community, 6 people attended it. As usual after introducing ourselves, the mission, objectives and functions of the project were presented, then the SMMA video was shown. Later the audience made these comments.

COMMENTS

⑩ 19 years ago my husband used to fish a lot of lobsters; we used to eat a lot of it. Now I have many years that I have not eaten one. Things are not like then (Barbara Archbold).

⑩ There is too much demand for the sea product these days.

⑩ Like a year ago some boys caught 10 pounds of lobster right in front of my house (Francia de Armas).

⑩ CORALINA should try help the fishermen get a big boat so they can go to the northern cays.

⑩ Fishermen say that whenever they go to the cays the soldiers give them problem.

⑩ All organizations should come together and fight against the foreign industrial fishing in this territory.

⑩ People are catching too many fish on the bridge.

⑩ Many times divers destroy rocks to get out lobsters or fish that is too much. Zoning and regulation are necessary to stop this (Nicasio Howard).

Flyers were given to them before we thank them for coming.

That same evening at 6:00 p.m. we carried out another MPA general introduction meeting at Junin school in Town for Town, Jones Point and Caballete sections. 5 people showed up and were very enthusiastic with the information shared and the SMMA video.

COMMENTS

ⓉA boat by the name of Andy wrecked on the reef, it was full of fertilizers and

I do believe that the fertilizers caused a very heavy impact on the marine resources. It would be good to check out that boat to see what effect it could still be causing on the reef (Bing Suarez).

ⓉThe best way to recover the marine resources around here is that the local fishers have a chance to go to the northern cays to fish (Bernardo Bush).

ⓉIf at night you look from mountain you can see the foreign boats fishing right

out there on 30 fathom of water, taking up everything (Bernardo Bush).

ⓉLast week some local fishers brought 600 meters of rope from the southern bank that belonged to the Hondurians, it was part of the fish and lobster traps.

ⓉWhenever we denounce these transgressions to the Port Captain he says that

we the native people did not allow them to build the coast guard station, so they cannot do anything.

ⓉThe fine for using illegal fishing method like compressors is too small, so it does not scare the industrial fishermen.

ⓉIt is not good to prohibit the spear gun because it is a protection for the fishermen but only fishermen should have a right to use them.

After listening to the attendants comments we gave each one a flyer and thanked them for coming.

On June 11th wrote and delivered letters for MPA general introduction meeting in the Mountain section.

On June the 12th wrote and delivered letters for meeting in the Freshwater Bay section and carried out MPA classroom activity at the SENA with

Natural Resources students from 5:00 to 6:00 p.m. They had the following comments after watching the SMMA video and getting the information on our Caribbean Archipelago Biosphere Reserve: Regional Marina Protected Area System.

COMMENTS

⑩ There is too much industrial fishing going on, that is the reason why the nearby fishing grounds are almost dead.

⑩ We should find the way that people buy all type of fish and not only a special kind.

After this we gave each one of them a copy of the flyer, thanked them and was about to leave when Mr. Bing Suarez, instructor of SENA came by saying that he thought that all their students should get this important information and that we should gather them all and extend it to them. So we did with all that were present (28) that were attending Navigation and Secretary courses. They enjoyed the project's information as well as the video and asked the following questions.

QUESTIONS

⑩ Are you going to do something similar to what was shown in the video? That

would be very good for us here.

⑩ How is the industrial fishing going to be controlled?

On June the 13th MPA general introduction meeting was carried out in the Mountain section, at La Montañita School. 8 people attended it who initially thought that we were going to talk about some kind of ban for fishing but whom after listening to mission, objectives and functions of project changed their position. They liked the video very much saying that Saint Lucia was very similar to Old Providence. They made the following comments.

COMMENTS

- ⑩ We have to find the way to grow fish, this mean to leave the small ones to develop because they are getting scarce (Ivin Howard).
- ⑩ The mangrove harbors too much garbage. Too much plastic accumulates in the mangrove roots (Ivin Howard).
- ⑩ I remember that when I used to work in Bottom House there was a big beach behind the school. The other day I went there after a long while and there is no beach there now. Maybe if CORALINA had existed twenty years ago that would not happened (Miss Cristine Taylor).
- ⑩ There should be constant no-take zones where there is good feeding grounds for fish to feed on and grow (Ivin Howard).
- ⑩ I think that fish are scarce not because of over fishing but because there are no strong north winds like years ago. I remember that we used to have north winds in October for eight days or more and you could pick up fish on the beaches as a result of their effect (Fernando Newball).
- ⑩ We must control tank and industrial fishing. Honduranians are getting more benefit than locals. Many years ago you did not have to dive conches in the northern cays, you could pick them up near the shore (Fernando Newball). I think that a person that needs to do subsistence fishing should have a right to fish anywhere but those that do commercial fishing should go outside the reef.
- ⑩ I suggest to divide the island waters in two areas: north and south. Fishermen should use the north for six months and give up the south during this time. After six months they can switch over (Ivin Howard).

We thanked them for coming after giving them a flyer.

That same evening, we carried out another general introduction meeting in Freshwater bay at Miss Elma restaurant, 6 people attended it and made these comments after getting the project's general information and watching the SMMA video.

COMMENTS

- ⑩ According to German Marquez the sea eggs are getting scarce in Old Providence (Liny Saams).
- ⑩ No-entry zones should be established in the reef area because there are some places there where people should not go. Lung diving is killing all the reef fish (Captain Rafael Arenas).
We thanked them for coming and gave them a copy of the flyer before leaving.

Developed MPA general introduction meeting with an interinstitutional group of OP/SC on June 14th at 10:00 a.m. , 8 people attended it: the port captain, a representative of ICA, one from INPA, one from Mc Bean Lagoon Park, one from the Departmental Secretary of Fisheries and Agriculture, the local coast guard chief and the environmental sanitary coordinator. Arnie Britton, CORALINA coordinator in OP/SC did the introduction of the meeting, later Giovanna gave them some general ideas of what was the project all about, and then I reinforced this with the mission, objectives and functions of the project. The SMMA video was shown and attendants said as follows.

COMMENTS

- ⑩ We have to get locals to consume all type of fish because islanders only eat 2 or 3 kind. This cause an over fishing of those (Javier Archbold).
- ⑩ Whenever CORALINA decides to work in the northern cays the Navy could help with a boat, you could get to certain agreement with the CIOH in Cartagena (port captain Antonio Olier Mendoza).
- ⑩ Right now hotels owner in South West Bay are complaining about fishermen discharging and selling fish in touristic areas (Javier Archbold).
- ⑩ There is still a lot of logging in the high part of the Peak, there should be more control on this. People have also cut down like an hectare of trees in Manchineel Bay during the last three months (Javier Archbold).
- ⑩ How can the community develop small projects related to the MPA system?
Is there economical support for this? (Javier Archbold)

⑩ The fees that yacht pay for anchoring are received by Bernardo Bush who is a

maritime agent, he consigns this money on an account of the ministry of transport in Bogota, this money goes direct to the nation (port captain Antonio Olier Mendoza).

⑩ Most ships that come here dump their waste oil in the sea at the dock (Javier Archbold).

After listening to all these ideas, we thanked attendants for coming and gave them a flyer.

On June the 14th we also carried out classroom activity at the SENA with 14 micro-enterprise students who took notes of mission, objectives and project's functions and that were very attentive to the SMMA video.

They did the following comment.

COMMENT

⑩ We have to find the way to control industrial fishing.

We thanked them and their teacher for inviting us, gave each one a flyer then left.

Table 4: Caribbean Archipelago Biosphere Reserve: Regional Marine Protected Area System General Introduction Meeting in OP/SC.

<i>Target groups</i>	<i>Date</i>	<i>Time</i>
Central Baptist Church	March 16 th	8:00 p.m.
Salt Creek Church	March 21 th	7:30 p.m.
Trees and Reefs Foundation	March 26 th	6:00 p.m.
Adventist Church	March 26 th	7:00 p.m.
Rocky Point Baptist Church	June 6 th	7:30 p.m.
Bottom House Community	June 4 th	6:00 p.m.
Freetown Community	June 5 th	4:00 p.m.
South West Bay Community	June 5 th	6:00 p.m.
Mc Bean Lagoon Park Staff	June 6 th	3:00 p.m.

<i>Target groups</i>	<i>Date</i>	<i>Time</i>
Old Town Community	June 6 th	4:00 p.m.
Santa Catalina Community	June 7 th	4:00 p.m.
Jones Point, Town and Caballete Community	June 7 th	6:00 p.m.
Mountain Community	June 13 th	4:00 p.m.
Fresh Water Bay Community	June 13 th	6:00 p.m.
Interinstitutional Group	June 14 th	10:00 a.m.
SENA	June 12 th & 14 th	4:00-6:00 p.m.

CORPORATION FOR THE SUSTAINABLE DEVELOPMENT OF THE
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 -CORALINA-

POGRAM 1

Table 1: Caribbean Archipelago Biosphere Reserve: Regional Marine Protected Area System General Introduction Classroom Activity in SAI

<i>Target schools</i>	<i>Level</i>	<i>Date</i>	<i>Time</i>
Adventist	11 th	October 25 th	8:00a.m.
Luis Amigo	10 th - 11 th	October 26 th	10:20 a.m.
Instituto Tecnico Industrial	10 th - 11 th	October 27 th	3: 00 p.m.
Instituto Bolivariano	11 th	November 2 nd	10:00 a.m.
Christian Mission	4 th	February 12 th	8:00 a.m.
National	4 th	February 13 th	8:00 a.m.
Sagrada Familia	11 th	February 13 th	10:00 a.m.
First Baptist	9 th	February 14 th	10:00 a.m.
CEMED	7 th	February 14 th	9:00 a.m.
Colegio Deptal. Natania	9 th	February 15 th	3:00 p.m.
CAJASAI	9 th -	February 29 th	2:30 p.m.
CAJASAI	10 th	February 29 th	3:30 p.m.
Adventist	9 th	May 9 th	9:00 a.m.

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PROGRAM 2

Table 2: Caribbean Archipelago Biosphere Reserve: Regional Marine Protected Area System General Introduction Classroom Activity in OP/SC

<i>Target s Schools</i>	<i>Level</i>	<i>Date</i>	<i>Time</i>
Adventist school	6 th to 11 th	March 15 th	9:00a.m.
Maria Inmaculada	4 th - 5 th	March 16 th	10:00 a.m.
Junin School	6 th	March 20 th	8:00 a.m.
Junin School	7 th	March 20 th	9:00 a.m.
Junin School (night)	6 th to 9 th	March 20 th	6:00 p.m.
Junin School	8 th	March 21 th	8:00 a.m.
Junin School	9 th	March 21 th	9:00 a.m.
Junin School	10 th	March 23 rd	8:00 a.m.
Junin School	11 th	March 23 rd	9:00 a.m.

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PROGRAM 3

Table 3: Caribbean Archipelago Biosphere Reserve: Regional Marine Protected Area System General Introduction Meeting in SAI

<i>Target groups</i>	<i>Date</i>	<i>Time</i>
Emanuel Baptist Church	August 1st	7:30 p.m.
First Adventist Church	August 19 th	3:00 p.m.
Conservation & Native Rights NGOs.	September 19 th	4:00 p.m.
San Pedro Obrero Community Action Group	May 19 th	7:30 p.m.
Cesar Gaviria Community Action Group	May 23 rd	8:00 p.m.
Natania Community Action Group	June 3 rd	4:00 p.m.
Sound Bay Baptist Church	April 16 th	7:30 p.m.
First Adventist Church	April 28 th	5:00 p.m.
Lynval 1 com. Baptist Church	April 29 th	6:30 p.m.
Christian University	May 4 th	8:00 a.m.
Central Baptist Church	May 15 th	7:00 p.m.
Houffy Christian Mission Church	June 10 th	6:00 p.m.
Schooner-bight Baptist Mission	August 2 nd	7:00 p.m.
Seven-day Adventist Church (Hill)	August 4 th	7:00 p.m.
Light House Baptist Church	August 5 th	6:30 p.m.
SENA	August 13 th	9:00 a.m.
SENA	August 13 th	10:00 a.m.
SENA	August 14 th	9:00 a.m.
SENA	August 14 th	10:00 a.m.
First Adventist Church	August 18 th	6:00 p.m.

PROGRAM 4

Table 4: Caribbean Archipelago Biosphere Reserve: Regional Marine Protected Area System General Introduction Meeting in OP/SC.

<i>Target groups</i>	<i>Date</i>	<i>Time</i>
Central Baptist Church	March 16 th	8:00 p.m.
Salt Creek Church	March 21 th	7:30 p.m.
Trees and Reefs Foundation	March 26 th	6:00 p.m.
Adventist Church	March 26 th	7:00 p.m.
Rocky Point Baptist Church	June 6 th	7:30 p.m.
Bottom House Community	June 4 th	6:00 p.m.
Freetown Community	June 5 th	4:00 p.m.
South West Bay Community	June 5 th	6:00 p.m.
Mc Bean Lagoon Park Staff	June 6 th	3:00 p.m.
Old Town Community	June 6 th	4:00 p.m.
Santa Catalina Community	June 7 th	4:00 p.m.
Jones Point, Town and Caballete Community	June 7 th	6:00 p.m.
Mountain Community	June 13 th	4:00 p.m.
Fresh Water Bay Community	June 13 th	6:00 p.m.
Interinstitutional Group	June 14 th	10:00 a.m.
SENA	June 12 th & 14 th	4:00-6:00 p.m.

Table 4: Caribbean Archipelago Biosphere Reserve: Regional Marine Protected Area System General Introduction Meeting in OP/SC.

<i>Target groups</i>	<i>Date</i>	<i>Time</i>
Central Baptist Church	March 16 th	8:00 p.m.
Salt Creek Church	March 21 th	7:30 p.m.
Trees and Reefs Foundation	March 26 th	6:00 p.m.
Adventist Church	March 26 th	7:00 p.m.
Rocky Point Baptist Church	June 6 th	7:30 p.m.

<i>Target groups</i>	<i>Date</i>	<i>Time</i>
Bottom House Community	June 4 th	6:00 p.m.
Freetown Community	June 5 th	4:00 p.m.
South West Bay Community	June 5 th	6:00 p.m.
Mc Bean Lagoon Park Staff	June 6 th	3:00 p.m.
Old Town Community	June 6 th	4:00 p.m.
Santa Catalina Community	June 7 th	4:00 p.m.
Jones Point, Town and Caballete Community	June 7 th	6:00 p.m.
Mountain Community	June 13 th	4:00 p.m.
Fresh Water Bay Community	June 13 th	6:00 p.m.
Interinstitutional Group	June 14 th	10:00 a.m.
SENA	June 12 th & 14 th	4:00-6:00 p.m.