

February 26, 2010

Liz Fairey
Program Officer
Fisheries Habitat Conservation Program Office
1315 East-West Highway
Silver Spring, MD 20910

Re: NOAA GCRC Program Agreement # NA05NMF4631055
“Building Capacity for St. Croix East End Marine Park“
TNC Reference # 1710053812
REVISED Final Report April 1, 2006 – September 30, 2009

Dear Ms. Fairey,

Please see the enclosed final report for the NOAA GCRC Program grant “Building Capacity for the St. Croix East End Marine Park”, Agreement NA05NMF4631055. This project update covers the activities conducted during the award period of **April 1, 2006 through September 30, 2009**. This report describes activities that were outlined in 8 progress reports submitted throughout this award period. Materials or reports produced during this grant (found highlighted throughout the following report) are included on a DVD sent via mail which includes:

- Brochures, signs, posters created for STXEEMP
- Curricula for schools and educational activities
- EcoVan materials and activities
- Lionfish outreach
- Presentations for classrooms
- Maps, technical reports
- Rules and Regulations talking points
- STXEEMP User Survey

We look forward to promoting the conservation of natural resources in the USVI and supporting the legislative and policy agencies that are charged with the protection of critical conservation areas. If further information or more detail is required, please do not hesitate to contact me with any questions or concerns. I may be reached at (340) 718-5575, ext. 203 or via e-mail at jeanne_brown@tnc.org.

Sincerely,



Jeanne Brown, VI Coastal Program Director

NOAA GCRC Program Grant- FINAL REPORT

April 1, 2006 – September 30, 2009

Introduction:

The GCRC grant entitled “Building Capacity for St. Croix East End Marine Park” was for the purpose of increasing local capacity to manage the St. Croix East End Marine Park (STXEEMP, or “Park”). This project has assisted in the implementation of priority projects as identified in the Park Management Plan developed in 2002 and in yearly project proposals for funding from NOAA. Activities implemented in the period of this project supported education and outreach, research and monitoring for the Park, and engaging local stakeholders in management activities.

Established in 2002 to protect a mosaic of fringing reefs, mangrove forests, seagrass beds and nesting sites for endangered sea turtles, St. Croix’s East End Marine Park was the culmination of a 30-year process. Since its creation, the STXEEMP has been increasingly successful at meeting its management plan objectives by implementing key actions to protect the marine ecosystems within its boundaries while managing the site for public use. However, the Park has never been able to operate at optimal capacity.

In order to achieve the goal of increasing local capacity, The Nature Conservancy designed a program working in collaboration with the Division of Coastal Zone Management (CZM) involving two primary activities: (1) the development and implementation of a Volunteer Support Network (VSN) for the STXEEMP and (2), implementation of a Marine Conservation Volunteer program. These are aimed at addressing short-term institutional gaps in agency administrative, financial and technical capacity through volunteers that serve with the STXEEMP for six-month assignments and in building a long-term base of local support via the VSN. These have been vital to increasing the level of effective and efficient operation of the management authority to protect and preserve the 80.5 km² of coral reef resources in the east end of St. Croix. This project has resulted in improved marine protected area management and financial sustainability; improved use of the marine resources through targeted local awareness projects and focused community outreach and public education activities leading to improvement in the overall health of the coral reef ecosystems of the USVI.

Summary of Funded Activities:

For the most part, funds from this grant were used to support the activities of two Marine Conservation Volunteers, who worked closely with STXEEMP staff to develop education and outreach materials, implement outreach and research activities, and conduct research and monitoring in the Park. Materials and supplies for activities performed to generate public interest and involvement in the Park were paid for from this grant such as in the development of the STXEEMP’s EcoVan, a mobile public outreach platform that brings awareness to school groups and at local events of the STXEEMP and its resources. Finally, a percentage of the

salaries of the TNC personnel who coordinated the activities of this grant and the stipends and reimbursable expenses of the volunteers were paid for by this grant.

STXEEMP Marine Conservation Volunteer Program and Development of the Volunteer Support Network:

Typically, both a Marine Biology/Ecology Conservation Volunteer and a Marine Education and Outreach Conservation Volunteer were recruited to work simultaneously with staff from the STXEEMP. These were selected from pool of highly qualified applicants (often having a Master’s degree and/or several years of experience in a related field) recruited just as if for a regular position with TNC. The volunteers worked from the TNC offices in a full-time mode, in part supervised by TNC personnel and in part guided by STXEEMP staff. The Marine Conservation Volunteers funded under this grant included:

- April 2006 - June, 2006 (2 completed their tenure from a previous NOAA CRCP grant)
- June 2006 - December 2006 (2 volunteers)
- January 2007 - June 2007 (2 volunteers)
- January 2008 - June 2008 (2 regular volunteers plus a local retiree volunteering ½ time)
- July 2008 – December 2008 (2 volunteers)
- September 2008 - March 2009 (1 volunteer)
- July 2009 - December 2009 (2 volunteers) *overlapped with end of this grant and start of new NOAA CRCP grant.

Gaps in the times between sets of volunteers were due either to unavailability of staff at TNC to coordinate the recruitment and supervision of the volunteers or due to a lag in coordination with CZM staff in the development of volunteer job descriptions and recruitment.

The Marine Education and Outreach Volunteers and Marine Biology/Ecology Volunteers brought in fresh ideas, supported the efforts of the Education and Outreach Coordinator, and worked with the Park Rangers to address short-term capacity needs. They assisted in building a local VSN such as in the planning of an orientation and a workshop to assess new projects to be supported by the VSN. The following are specific accomplishments by grant period involving the Marine Conservation Volunteers working with CZM or TNC staff or in the development of a local Volunteer Support Network.

April 2006 – September 2006

The 2006 Eco Fair organized by St. Croix Environmental Association and the Virgin Islands Network of Environmental Educators (VINE) was held over two days during which up to 982 students from grades 3-6 were exposed to environmental process, conservation theories and the consequences of natural and human-induced disturbance events. The STXEEMP Volunteers’ booth focused on marine conservation and creatures, including an interactive learning event in order to engage the pupils. The Volunteers were also involved in drafting the EcoFair pledge which was signed by every student and teacher that took part in the event.

In order to ensure transparency with projects pertaining to the East End Marine Park the Division of Coastal Zone Management of DPRN established the STXEEMP website <http://www.stxeastendmarinepark.org/>. This website houses all documents related to the Park. One important page of this site is labeled as “Kids Corner”. The Volunteers were instrumental in designing this user friendly child-focused page that provides vital information on habitats, conservation actions and possible careers as well as interactive games for all ages. The updated Kids Corner can be found at: <http://www.stxeastendmarinepark.org/kids.htm>

October 2006 – March 2007

Outreach and education efforts to promote involvement of the public in a volunteer support network were the focus during this reporting time period. In-school presentations launched in January enhanced a sense of marine stewardship and engaged students and teachers alike. The development of two **outreach mascots** by TNC staff and interns to help reach a broad audience and highlight the importance of the STXEEMP to the Virgin Islands were instrumental in creating a momentum of support across age groups and stakeholders. “Marco the Octopus” was designed to promote protection of our precious ocean resources, and a local competition held for the naming of an Iguana mascot that will promote stewardship of the land. These mascots appeared on tee-shirts and buttons given as promotional items at public events.



The US Coral Reef Task Force meeting in St Thomas in October, 2006 provided a unique opportunity for the STXEEMP Advisory Committee to tell the story of marine resource conservation in St Croix and showcase partnerships that have been vital to the STXEEMP. TNC staff and Volunteers played a leading role in the planning and organizing of an exhibit booth with Park staff. The main effort went into the creation of a **3-panel poster** highlighting significant milestones and progress to date as well as manning the booth throughout the

Task Force Meeting.

In conjunction with work being performed under this grant, the Volunteers were also working during this time to develop an **Interpreter Reference Guide** to be used by Park staff and any volunteers involved with Park related activities. The goal of this effort was to produce a brief document providing relevant information including habitats within the Park, flora and fauna, rules, regulations and helpful tips to ensure people know how they can help conserve the Park’s natural resources. (The final document was completed Volunteers in April, 2008.)

Mobilizing the VSN for events planned for Earth Day (22nd of April) and Arbour Day (29th of April) was vital for building an increased conservation ethic on the Island. A connection with Central High School students from “Nature’s Environmental Role Models (NERM) Group” was instrumental in the planning efforts for the Earth Day and Arbour Day events and in soliciting interest in volunteer activities to be held in the future.

April 2007 – September 2007

During this period, the two Volunteers developed an **education and outreach guide**. The Education and Outreach Volunteer developed and implemented a school program aimed at improved stewardship of marine resources. This engaged youth in conservation in St. Croix and highlighted the importance of the STXEEMP. The Nature Conservancy hosted a community Earth Day celebration at Cramer’s Park on Saturday April 21st. Local families and students came out to enjoy games, activities and painting. As part of the celebration, over 75 - 10x10 inch canvases were painted to represent the ocean, the land and people enjoying the beauty of St. Croix. These paintings represent a local appreciation of the environment as participants expressed their love for nature. The volunteers also helped to bring in volunteers for Arbour Day (29th of April). Students from the Central High School’s “Nature’s Environmental Role Models (NERM) Group” were heavily involved with the event.



The Volunteers furthered the development and implementation of an education and outreach school program aimed at improved stewardship of marine resources. They worked to engage youth in conservation in St Croix highlighting the importance of the STXEEMP. Presentations were made in twelve classrooms, at the Eco-Fair and on the Roseway Schooner (a large-masted sailing vessel) to about 1400 children in total. As part of Country Day’s Mini-Gusto week 2007, 15 students attended the World Ocean School on the Roseway to learn about sailing. The Volunteers were invited to come on board for a day to teach the students about marine ecology for about an hour. Three topics (coral, marine invertebrates and fish) were chosen and 10 - 20 minute presentations were given on each topic.

The Marine Biology/Ecology Volunteer also assisted in research activities and other monitoring field work in and adjacent to the park. Support was given to the STXEEMP ranger as well.

Plans made to increase the base for the VSN included:

1. Identifying the various groups/housing associations/clubs etc. situated near the east end of St. Croix to seek possible network members
2. Developing initial communication strategy targeting potential network members
3. Further develop possible activities for network participants to be involved with. Several ideas considered for network participants such as beach clean ups, nature guides, etc.

October 2007 – March 2008

In early 2008, the Marine Education and Outreach Volunteers assisted the Park with interpretive tours which were held for the public one morning a week for about two months. They also assisted in bayside tours for school groups, grades kindergarten to 10th grade. The Volunteers assisted in producing media for the park including an informative poster about the park, bayside interpretive brochures, materials, education programs, and designs for the Park’s Eco Van. They also worked with STXEEMP staff on a plan to increase the distribution of an informative DVD on the establishment of the Park.

The Volunteers attended, with the staff from the STXEEMP, a NOAA-sponsored workshop on visitor usage in marine protected areas. The information gained in this workshop contributed to the development of the Interpretive Guide for the Park. An Observational Checklist of activities conducted in the Park to be used by the officers and Volunteers was enhanced with the ideas gained during this workshop.

The Marine Biology/Ecology Volunteer compiled current and historical research related to the STXEEMP and species of concern found within the Park. Research papers obtained from the Ocean Conservancy, National Park Service, The Nature Conservancy and Google Scholar were referenced in Endnotes with embedded links to a PDF of each article. A list of research completed at the West Indies Laboratory, which was formerly located on the east end in Teague Bay, was also compiled. The Volunteer worked to locate as many of these documents as possible. This reference database assembles relevant research and provides an outline of location and topics of study completed within the Park, as well as current research on significant species and Marine Protected Areas.

The Marine Biology/Ecology Volunteer also organized and summarized previous *Acropora palmata* research completed within the Park. A proposal for a rapid baseline assessment of *A. palmata* within the Park and comparison sites outside the Park boundaries was also written, along with preliminary plans for long term monitoring. The Volunteer also assisted with the preparation of equipment and software for the anticipated field monitoring.

The Volunteers continued to reach out to the community to build interest in the VSN by providing information about the STXEEMP through the St. Croix Agri-Fest, “EcoFairs” on St. Thomas and St. Croix, aboard the Roseway Ocean School, and by hosting a number of International Year of the Reef events within the Park. Sign-up forms for the VSN for the Park were approved by the Park Office and the Director of Coastal Zone Management in early March. These were made available at various public events and are on-hand at the STXEEMP office. The Volunteers helped to create a database listing partners and possible community members who are active in local activities, and will use this database to compile information on members of the VSN for future Park activities.

April 2008 – September 2008

From July to early October 2008, the Marine Education and Outreach Volunteer helped the STXEEMP with media production, including an informational brochure describing the

STXEEMP educational offerings to distribute to teachers. Also, a general brochure was created including an overview of projects within the park (tours, monitoring, presentations, mobile outreach, and recreational uses) to promote and increase awareness of the park and its purpose. Modification of the STXEEMP’s pre-tour video focus questions were revised and adapted to different audience age groups with a separate version with sample responses to questions for the leader or teacher. This will be part of the pre-tour packet for teachers. A post-tour evaluation for the Marine Park’s ranger-led field trips was created in order to provide feedback to continuously improve the Park’s educational offerings.

The Marine Education and Outreach Volunteer developed lessons and curricula including:

1) Curricula for the public schools

- “The Coral Reef Ecosystem” - for students to become learn what constitutes a coral reef community, and the interrelatedness of living things found there.
- “After the Flush”, in which students learn the role that septic systems play in contributing to pollution through the watershed
- “Fish” (still in development) which includes different topics for all grades e.g., adaptations, marine reserves, sustainable practices, threats and solutions

2) Mobile outreach activity via the EcoVan on Mangroves

3) Lesson plans for the STXEEMP rangers

- Trash - to develop awareness of different types of marine debris and the impact on both marine and terrestrial life, as well as to consider responsible actions that can be taken to minimize the amount and consequences of marine debris and pollution.
- Life Underwater – to observe and appreciate the biodiversity of life in the shallow waters and to recognize that land activities impact marine life.

The Volunteer attended and helped, along with the staff from the STXEEMP, the St. Croix MiniQuEST, a day of professional development for public school teachers. The volunteer also helped with community activities such as the IYOR children’s learn-to-snorkel clinics and the Coastal Weeks clean-up.

The STXEEMP started its monitoring of *Acropora* spp. in the Park in July. This study attempts to get a population structure and density of living specimens in STXEEMP, as well as occurrence of bleaching, predation by snails & damselfish, and disease. The Marine Biology Volunteer, along with the STXEEMP Park Biologist and a Park Ranger spent about 3-4 days per week from July- September in the field. The field work was intended to be completed by September 30, however, due to weather and equipment issues, only about half the intended sampling sites were visited. The timeline was extended on this monitoring effort and data collection continued through the fall. Data entry was begun by the Volunteer on the approximately 50 sites that were surveyed. About 12,500 m², or 3 acres were surveyed in the STXEEMP. This data collection supplemented the efforts to monitor the status, distribution and size range of *A. palmata* in suitable habitat outside the boundaries of the STXEEMP by TNC, working on a NOAA GCRC

grant “Mapping the Spatial Distribution of Size Classes and Disease Affecting Elkhorn Coral”, and the National Park Service monitoring in Buck Island Reef National Monument. Increasing the overall coverage of the status assessment of this species in St. Croix’s waters contributes to a determination of management effectiveness of coral reefs. The Marine Biology Volunteer was instrumental in making advancements on this island-wise status assessment.

The STXEEMP lobster surveys began in early September. This monitoring attempts to get a population/size structure and density within STXEEMP, as well as occurrence of disease. Twenty research dives at about 20 locations throughout STXEEMP were completed during this period. The Marine Biology volunteer assisted in data entry supported the work of STXEEMP staff on GPS coordinate entry and troubleshooting, equipment maintenance, and literature research. In particular, a thorough literature review of lobster biology including research on morphology, habitat selection, and reproduction indicators was completed for use by the STXEEMP Park Biologist.

About 25 interested people from St. Croix signed up to the VSN during this period. The Volunteers helped to create a database listing partners and possible community members who are active in local activities. Plans are underway for orientation and a workshop to assess new projects to be supported by the VSN.

October 2008 – March 2009

The two volunteers who were brought on board in July, 2008 continued to work with the Park Office to increase the variety and quantity of awareness-raising media including equipping a mobile “Eco Van” for marine biological lessons and activities, informational signs for visitors to the STXEEMP, brochures, field guides, posters, and other educational activities such as curriculum development. These volunteers ended their 6-month contract in December, and another volunteer who was working with TNC as a turtle monitor took over the tasks of the former volunteers. She stayed with the STXEEMP until mid- March.

Research and monitoring conducted in the Park was continued and a program of regular coral reef resource status assessment implemented. Lobster monitoring, which began in September 2008, continued during this period. The Marine Biology Volunteer worked with the Park Biologist and Ranger to complete 17 different sample sites, and work resumed for both *Acropora* spp. and lobster sampling in the spring of 2009. Data entry was completed to date and a draft outline for technical reports for the lobster and coral monitoring was created.

The volunteers were pivotal in creating Eco Van demos and activities. The design of the logo that goes with the STXEEMP Eco Van was developed with the aid of a local artist and the volunteers. This initiative finally came to completion by the end of the Spring Volunteer’s tenure, with the Eco Van fully adorned with the STXEEMP logos, messages and art work.

The Volunteers assisted in the planning of an orientation and a workshop to assess new projects to be supported by the VSN. By December the VSN Kick-off event was at early stages of planning, expected to take place in June, 2009. In early 2009, the volunteer created an Access

database that houses the sign-up information provided by local volunteers. This will be accessed by Park staff and others as advancements are made to develop the local volunteer program.

April 2009 – September 2009

The STXEEMP Volunteer who started in August 2008 wrapped up her Education and Outreach and Marine Biology activities by mid-March. Following that, time was spent recruiting the next round of volunteers, slated to begin by summer. Starting in July, the new Marine Education and Outreach Volunteer continued to assist the STXEEMP with means to raise awareness of the park and to develop educational programs to foster stewardship for the marine resources of St. Croix. She assisted in facilitating the improvement of education and outreach efforts of the STXEEMP through assistance to park interpretive rangers and the Park Education and Outreach Coordinator. She assisted the Park Interpretive Rangers with curriculum development, lesson plan and associated activity focused on the threats of derelict fishing gear and a map of the STXEEMP with habitats and organisms found in those habitats and a PowerPoint presentation depicting his knowledge of the historical and cultural resources of the STXEEMP. This Volunteer provided a half-day training with Park staff on ArcGIS techniques, developed **maps using lobster data, and developed detailed instructions for further development of maps.** She assisted in the collection of marine environmental education materials from online sources into the STXEEMP shared files, and also given to the STXEEMP Education and Outreach Coordinator for possible future use

The Volunteer led the development of a **curriculum and materials for the EcoVan** mobile outreach vehicle, including a 25-gallon touch tank and a QX3 Digital Blue Microscope which will use prepared slides and other small items as encountered on the beach. She assisted in the development of a Reef Jam Mini-Grant for the STXEEMP funds to support an EcoVan steward for assistance with the EcoVan presentation at community events. She worked with the STXEEMP Education and Outreach Coordinator to create **Standard Operating Procedures for the EcoVan**, including a list of protocols for the EcoVan such as touch tank maintenance and inventory of supplies, and morning and afternoon activities.

The Education and Outreach Volunteer also designed the following:

- 1) A **recreation guide/brochure for the STXEEMP** that incorporated local knowledge of where certain recreational activities take place with a personal map of the STXEEMP, photography, and text
- 2) Educational **lesson plans and associated activities**
 - a. An echolocation game for use with marine mammals PowerPoint
 - b. Marine Food Web Jenga for use in the EcoVan or in the classroom, can be self-led or facilitated by an educator
 - c. One Fish, Two Fish, Red Fish, Blue Fish lesson plan with related poster and activity
- 3) Educational **PowerPoints for use in a classroom setting**
 - a. Majestic Marine Mammals, focused on marine mammals of the Caribbean area
 - b. Watersheds, focused on the concept and importance of watersheds in the health of coastal ecosystems

- 4) Five posters for the EcoVan were designed, printed and laminated, including a poster dedicated to each of the following:
 - a. Snorkel and dive etiquette
 - b. Calculate how much water you use in a day
 - c. How long it takes trash to decompose
 - d. A map of the use zones of the STXEEMP
 - e. STXEEMP Jeopardy game with organisms of the STXEEMP, designed with Jose Sanchez
- 5) Turtle Game Board

The Marine Biology Specialist beginning in August was instrumental advancing certain accomplishments for the STXEEMP as well as for coral reef conservation in the territory as a whole. She quality assured Park *A. palmata* and *A. cervicornis* data, entered remaining data, and quality assured all 2009 *Acropora* data.

She assisted with a conch survey on St. Croix, and improving the *Acropora* spp. data and research conducted by the STXEEMP. She developed a Use Survey for the Park with data sheets with a GIS map for reporting activity within the Marine Park. The Activity Survey program aims document human and boating activity within the Marine Park to guide education and outreach, enforcement efforts, and survey methodologies for gauging the effectiveness of management actions. A total of 15 VSN members attended the trainings. To date, 61 data sheets have been collected and a total of 136 observations have been recorded in an Excel spreadsheet. Documents created for the Activity Survey program included:

- Activity Survey data sheet (2 formats)
- Activity Survey instructions
- Activity Survey training presentation
- Activity Survey Excel spreadsheet
- STEER Regulations Summary for the Management Plan

In preparation for the installation of marker buoys for the Park, the Volunteer developed a communications strategy, fact sheets, and DPNR talking points on the STXEEMP rules and regulations.

The Volunteers made remarkable strides to revamp the VSN to participate in surveys, outreach, and other Park activities. The Marine Biology/Ecology Volunteer led informational meeting and training for the VSN and served as primary point of contact and coordinator for this program. She worked closely with the STXEEMP Education and Outreach Coordinator to transfer these tasks at the end of her volunteership. She assisted in the Lionfish Response Plan that the Territory created to address this emerging threat, acting as liaison to the STXEEMP staff and program to better coordinate the resources CZM can contribute to this effort. She developed lionfish outreach materials advertising public meetings on St. Croix and St. Thomas in English and Spanish and created lionfish PSAs for St. Croix and St. Thomas. She also contributed to a grant proposal for the Lionfish Response Planning Committee. Finally, she provided support to a

Territory Climate Change response group by updating information on Climate Change Adaptation options and opportunities.

This Volunteer continued beyond the end date of this grant, being then supported by funds from new NOAA CRCP award (# NA09NMF4630122, "Building Capacity and Increasing Effectiveness for USVI Territorial Marine Protected Areas", began October 1, 2009).

Summary of ongoing Education and Outreach Support for STXEEMP

Activity	Output
Participated in SEA Summer Camps, teaching snorkeling and an introduction to marine life.	Over 100 students ages 8-13 received snorkeling lessons and an introduction to the marine realm.
Historical analysis of the establishment of the St. Croix East End Marine Park	Draft Report documenting the historical process and partnerships involved with the creation and implementation of the STEEMP
Coordination of US Coast Guard captain's license course for eight local fishermen	Engagement of local fishermen displaced by the STXEEMP in resource management and alternative livelihood opportunities
Development and implementation of a education and outreach school program aimed at improved stewardship of marine resources	Engagement of the youth in conservation in St Croix highlighting the importance of the STXEEMP. Presentations made in twelve classrooms, Eco-Fair and on the Roseway to about 1400 children in total
STXEEMP display at the USCRTF meeting in October 2006 in St. Thomas	Booth highlighting significant milestones and progress to date of the STXEEMP, about 200 people visited the booth
Replication and distribution of STXEEMP DVD	520 copies of a 25 minute informational video on the establishment of the Park distributed to local school teachers, park partners, and tourism industry
Production of STXEEMP Posters	Informational posters about the STXEEMP to be displayed at local tourist information booths, at local fairs, and for
Interpretive Officer Guide and Observational Check-List	25 copies of Interpretive Guide produced with observational checklist
Initiation of Observational Check-List usage	Data collected on public activities in the park for the purpose of monitoring effectiveness of management
Observational Check-List Data Entry and Management	Coordination of efforts of a member of the Volunteer Support Network to manage the information collected on Observational Check-List
Developed activities, program to be used at local environmental fairs	STXEEMP activities, display and promotional items for adults and children offered at various local environmental and teacher fairs
Developed brochures / guide book for STXEEMP Users	Informational brochures about the Park plus the a booklet describing the self-guided tours of baysides of the Park
EcoVan designing, equipping and use	EcoVan equipped with marine educational supplies

	and activities with signage on the outside
Development of Guide for Teachers	One-sheet guides developed and distributed of activities local school teachers can use for running environmental education and STXEEMP awareness
Creation of radio PSAs	Short radio PSAs about the STXEEMP, the Rules and Regulations, and the availability of tours aired on local radio stations

Summary of Support of Research, Monitoring and Field Work:

Activity	Output
Compilation of research done within STXEEMP	Bibliographic data base referencing electronic and hard copies of research and monitoring activities done in and around the Park, referenced by location
Lobster population and recruitment studies for the Park and outside the Park	Baseline information on adult and juvenile lobster populations inside and outside Park
Mapping Spatial Distribution of Size Classes and Disease Affecting Elkhorn Coral inside and outside the STXEEMP	Information compiled on the current status of Acropora inside and outside the Park with recommendations made for management
Summarization and reporting of Ecological information of Park's Resources	Necessary reporting for the Park's records, for reporting to funding sources, and
Baseline survey of STEEMP resources	Baseline data collected using the NOAA Biogeography Protocol for the use of long-term monitoring of management effectiveness