



BREVARD COUNTY, FLORIDA

2016

ANNUAL REPORT

Sea Turtle Preservation Society

For an electronic copy, visit our website at SeaTurtleSpaceCoast.org

The Sea Turtle Preservation Society

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1. Introduction

STPS is celebrating its 30th anniversary this year (2016) and is proud of its accomplishments that are summarized in the following list:

- Recorded a 21% increase in volunteer hours over the previous year;
- Participated in 70 events in its educational outreach programs, attended by over 30,000 people;
- Conducted 34 public Turtle Watch/Walk events, attended by approximately 1048 people;
- Responded to 148 strandings thus providing a positive economic impact to the community;
- Rescued over 2000 post hatchlings in the aftermath of Hurricane Matthew;
- Surveyed 289 sea turtle nests in conjunction with the Florida Nesting Survey program;
- Coordinated efforts of 1076 volunteers in beach cleanup efforts at two beaches adopted by STPS in the Keep Brevard Beautiful “Adopt a Shore” Program;
- Continued to support Brevard Sea Turtle Healing Center.

In 2016, STPS contributed approximately **18,251 volunteer hours valued at \$402,982** in volunteer labor to the Brevard County community with our volunteer activities. The details of how we accomplished these levels are supplied in the following sections of this report.

1.1 History

In the mid-1980's, a local group of citizens concerned about our natural wildlife recognized that Brevard County contains some of the most important natural habitats for marine turtles in the world. The beaches of the Archie Carr National Wildlife Refuge are prime nesting areas for adult sea turtles, and the Indian River Lagoon is a developmental foraging habitat by juvenile sea turtles. The Archie Carr National Wildlife Refuge along Florida's eastern coast is the largest loggerhead nesting area in the world and the largest green turtle nesting area in the Northern Hemisphere.

As a result, this group led by Peter Bandre (honorary lifetime member) banded together to help sea turtles in our area and the Sea Turtle Preservation Society (STPS) was formed. STPS was incorporated within the state of Florida in 1986 and is registered with the Florida Department of Agriculture and Consumer Services (FDACS) with a mission statement to “help sea turtles survive.” To confirm the registration status of STPS, check the FDACS online Check-A-Charity tool to find out if a charity is properly registered: <http://www.freshfromflorida.com/Consumer-Resources/Consumer-Protection/Charities-FAQ>.

Many of our active volunteers are permitted by the Florida Fish and Wildlife Conservation Commission (FWC) to work with endangered and threatened sea turtles. However, STPS is not an enforcement agency.

1.2 Corporation Information

STPS is a registered 501 (c) 3 not-for-profit organization. It is a “grass roots” organization that is not associated with any parent corporation nor supported by any government funding. STPS generates funding to pay for equipment, supplies, facilities, etc., needed to conduct its sea turtle activities through

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the proceeds from the gift shop, donations and its various fundraising activities, such as the Turtle Krawl 5K Run/Walk race and the Night Walk/Watch events. Contributions are tax-deductible as allowable by law. From its corporate origin, STPS was established as an "all volunteer organization." There are no "stakeholders" or single owner that profits from any fundraising or merchandise sales. As a volunteer organization, STPS relies on the efforts of its dedicated volunteers to accomplish essentially all of its tasks. The only exception to this is the staffing of the office and gift shop. Experience has taught us that for the Sea Turtle House to remain open on a reliable basis the facility needs to be staffed as a paid position. This position requires one person to open and close the facility on a daily basis as well as perform the typical daily activities necessary to conduct business. This position is staffed through a temporary employment agency and is the only STPS position that receives payment for services rendered. Volunteers provide oversight and supplemental office support.

1.3 Corporate Headquarters

STPS named its corporate headquarters "Sea Turtle House". It is located at 111 South Miramar Avenue, Indialantic, FL 32903. The Sea Turtle House is approximately 1500 square feet and provides multifunctional space for the following:

1. **Office and Gift Shop** - The main entrance to the Sea Turtle House is to the office and gift shop that is staffed Monday through Saturday 11:00 am until 5:00 pm in the spring and summer and 11:00 am to 4:30 pm in the fall and winter, and Sundays from 11am to 3:00pm May 1st through Labor Day. Approximately 5,000 guests visited the Sea Turtle House annually. The staff fields questions from the public and answers phone calls ranging from information about our organization and sea turtles to typical tourist questions about other attractions in our area. We get many calls regarding injured birds and other wildlife. Calls received from the public that are non sea turtle related are referred to the appropriate responders group. The staff supports the fielding of stranding reports, assists in arranging Turtle Watch/Walk reservations and helps with other sea turtle activities.

The office contains materials required to conduct STPS business, outreach programs and permitted activities:

- File cabinets containing legal organizational documents, FWC permits, insurance contracts, forms used for stranding and walks, completed membership and adoption applications,
- Telephones, display counter and cash register,
- Presentation equipment (projectors and laptops),
- Informational posters, brochures and educational displays.

The gift shop offers a variety of sea turtle related items: STPS shirts, hats, books, jewelry, photos, magnets and accessories. Proceeds from the sale of these items support the conservation and educational efforts of the STPS.

The following table contains the volunteer staffing information for the Sea Turtle House:

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2016 Sea Turtle House Volunteer Staffing	Number of Hours
Gift Shop Management Committee	68
Daily Staffing (Sunday & Wednesday)	314
World Sea Turtle Day	48
Walk Registrations	273
2016 Total Volunteer Hours	703
¹2016 Value of Volunteer Time \$22.08 x 703 hrs = \$15,522.24	

2. **Street Window Display** - A full color diorama depicting life-sized replicas of sea turtles nesting on the beach is staged in the front window viewable to inside guests as well as the public walking or driving by. These replicas dramatically illustrate the adult size of these animals.
3. **Education Center** - The Educational Center (which officially opened June 18, 2016) occupies a room adjacent to the gift shop. This space contains a variety of sea turtle educational displays and literature. It also has areas for group projects and one-on-one presentations to small groups.
4. **Sea Turtle Hatchling Drop Off** - A small drop off box is located in the back of the facility where sea turtle hatchlings can be deposited by the public after hours. A phone number is posted for them to call and alert our hotline. A sign on the front of the facility directs the public to the location of the drop box.
5. **Onsite Storage Area**
The area provides storage for the following items:
 - a. Gift shop inventory
 - b. Equipment to support our various permitted activities such as STERP/stranding equipment and nest survey equipment
 - c. Supplies to support our major fundraising event, Turtle Krawl 5K Run/Walk 5K Race
 - d. Freezer for temporary storage of deceased sea turtles for FWC pickup
 - e. Equipment for transporting live sea turtles to rehabilitation facilities
 - f. Supplies prepared to support our various special events
 - g. Public relations and educational material (brochures, flyers, posters and pamphlets)
 - h. Make the truck #6.
6. **Parking for the STPS Sea Turtle Stranding Vehicle**

1.4 Mission - Helping Sea Turtles Survive

STPS's primary goal is to help maintain the current sea turtle populations and to prevent a potentially irreversible decline in that population. Our primary effort is focused on educating the public about marine turtles and the environmental niche they occupy. STPS reaches thousands of people each year through presentations/talks, exhibits at area events, our website and Facebook page, our Turtle Watches/Walk events during the sea turtle nesting season and visitors to the Sea Turtle House. STPS's efforts to achieve this goal include the following activities:

¹ Per the 2015 Independent Sector Annual Conference, the estimated dollar value of volunteer time for 2015 is \$22.08 per hour in Florida. The 2016 value was not available at the time of publication. See their web site at the following address: independentsector.org/volunteer_time. These costs are derived by multiplying the number of volunteer hours by the cost per hour and adding the transportation cost.

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- Educating the public about the hazards of nighttime beach activities with the goal of reducing disturbance and harassment of nesting sea turtles;
- Educating the public about the impact of lighting, beach debris, habitat destruction with the goal of increasing hatchling survival rate;
- Responding to reports of dead and injured sea turtles and contributing data to the Sea Turtle Stranding and Salvage Network (STSSN);
- Rescuing hatchlings, post hatchlings and adult sea turtles and transporting them to permitted rehabilitation facilities;
- Conducting a nest survey project in conjunction with the Florida Nesting Survey Program;
- Educating the boating public about marine pollution and the dangers to sea turtles while boating in the river and ocean;
- Participating in Keep Brevard Beautiful, Adopt-A-Beach program by performing monthly cleanup activities;
- Supporting the Archie Carr National Wildlife Refuge; and
- Supporting the local Brevard Zoo “Sea Turtle Healing Center” by contributing a significant part of the proceeds from the Turtle Krawl 5K Run/Walk.

1.5 Economic Impact to Community

All sea turtles found in U.S. waters are listed under the Endangered Species Act (ESA), which provides protection to threatened and endangered sea turtles. This protection requires that anyone interacting with sea turtles (dead or alive) must be permitted and properly trained by FWC guidelines. Since there is a large number of sea turtles that frequent the Brevard County waters and beaches, city and county officials must be prepared to address these federal requirements when turtles wash up on their community’s shores. Currently, the cities rely on STPS to do this job. However, if STPS did not have trained and permitted volunteers to provide this vital function, each city would be responsible for performing this type of permitted support using its own financial resources.

In 2016, the STPS Stranding Team responded to 112 calls in nine of Brevard County cities. This effort required 553 volunteer hours (valued at \$12,211) and \$2,480 in vehicle expenses; plus many additional volunteer hours required for training the stranding team members. The overall value of this effort has been estimated to be \$34,563. STPS does not charge any fees for conducting stranding activities. STPS conducts stranding activities in all of Brevard County, not just the nine aforementioned cities. Stranding activities are also conducted in the Melbourne Beach area by the University of Central Florida and the University of Florida which are not included in the table.

To illustrate how this effort is a positive monetary impact to Brevard County’s beachfront communities we have created the following table. This table shows the number of actual stranding events (that occurred in 2016) for each of nine different cities and the approximate cost that each city would have incurred if they were responsible for strandings in their city. The cost data is broken down by man hours to perform the stranding activities, vehicle cost to transport live turtles to a rehab facility and annual recurring labor cost for training. This estimate does not include the cost of any miscellaneous equipment that may be needed to conduct the strandings.

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STPS 2016 Stranding Calls for Nine Brevard County Cities							
City	Strandings		Volunteer Hours	Value of Volunteer Hours	Average Vehicle Cost	Training Cost	Total Cost For Each City
	Live	Dead					
	Note 1	Note 2					
Cape Canaveral	12	5	86	\$1,899	\$400	\$2,208	\$4,507
Cocoa Beach	19	4	97	\$2,142	\$320	\$2,208	\$4,670
Indialantic	7	0	21	\$464	\$0	\$2,208	\$2,672
Indian Harbor Beach	3	0	9	\$199	\$0	\$2,208	\$2,407
Melbourne Beach (Town & Region)	18	4	94	\$2,076	\$320	\$2,208	\$4,604
Satellite Beach (City & Township)	2	2	26	\$574	\$160	\$2,208	\$2,942
Port Canaveral and Jetty Park	12	4	76	\$1,678	\$320	\$2,208	\$4,206
Patrick Air Force Base	6	2	38	\$839	\$160	\$2,208	\$3,207
Sebastian Area & Indian River County	2	10	106	\$2,340	\$800	\$2,208	\$5,348
Totals	112		553	\$12,211	\$2,480	\$19,872	\$34,563

NOTES:

1. A typical stranded **live** turtle takes two people approximately 3 man hours to respond to and complete the stranding process and then it takes one person 4 man hours to transport the turtle to a rehabilitation facility, (Example for 10 live turtles: $(10 \times 2 \times 3) + (10 \times 1 \times 4)$ equals 100 hours);
2. A typical stranded **dead** turtle takes one person approximately 3 man hours to respond to and complete the stranding process (Example for 10 dead turtles: $10 \times 1 \times 3$ hours equals 30 man hours);
3. Labor cost is calculated using the 2015 Independent Sector Annual Conference Estimate for Volunteer labor in Florida which is \$22.08 per hour,
4. Average vehicle expense is calculated at \$80 per roundtrip;
5. Stranded live turtles may be transported to any of the following rehabilitation facilities: Brevard Zoo Healing Center, Ponce Inlet, Juno Beach, Gumbo Limbo Park, Orlando Sea World and Mote Marine-Sarasota;
6. Each city would require a two person stranding team consisting of a primary permit holder and a support person,
7. Annual FWC training for stranding support requires approximately 65 hours for the primary permit holder and 35 hours for a permit support person; resulting in 100 man hours of total training for a two person stranding team.

2. Officers and Board of Directors

The STPS Board of Directors determines its direction as outlined in the bylaws, policies and procedures adopted by the Board. In addition, the Board determines the appropriate course of action for the corporation in areas outside the bounds of its bylaws, policies and procedures. The Board of Directors consists of a minimum of nine (9) and a maximum of thirteen (13) members in good standing. All board members serve as non-paid volunteers.

The Board of Directors elects the Chairperson of the Board each January for a one-year term. The same person can serve multiple terms. The Chairperson compiles an agenda before each Board meeting and presides over meetings of the Board of Directors.

The Treasurer and Secretary are appointed by the STPS Board for an indefinite term and serve according to STPS's policies and procedures. The primary permit holders for the Nest Survey Activities, the Stranding Activities and the Night Walk Activities serve on the STPS Board as appointed positions. The "at large" board positions are two-year terms that expire on alternating years. Elections are conducted at the Annual Membership Meeting held in December. The Board of Directors meets once a month or as otherwise directed in STPS's policies and procedures. The STPS Board members are a "working board" in that the majority of the members take on an oversight role in the various organizational activities.

Name	Term Expires	Position
David Hochberg/Vickie Openshaw	Appointed	² Chairperson
Vickie Openshaw	Appointed	Secretary
Jo-Ellen Mathews/Kathy LeBresco	Appointed	³ Treasurer
Dori Hughes	Appointed	Primary Permit Holder for Nest Surveys
Roger Psonowsky	Appointed	Primary Permit Holder for Strandings
David Hochberg/Craig Konkell	Appointed	Primary Permit Holder for Night Walks
Cindy Ullmer	2017	At Large Director
Casie Farrell	2016	At Large Director
Nikia Rice	2016	At Large Director
Heather Pepe	2017	At Large Director
Rosalind (Nini) Conner	2016	At Large Director
Dave Cheney	2017	At Large Director

² Dave Hochberg was Chairperson starting in 2016 but he resigned from the STPS Board due to a relocation move out of Florida.

³ Jo-Ellen Mathews was appointed Treasurer starting in 2016 and resigned from the position mid-year. Kathy LeBresco was appointed to fill the position.

3. Public Education

STPS believes that educating the public about threats to sea turtles and explaining what the public can do to ensure their survival is the most effective method of accomplishing our mission of helping sea turtles survive. We are very proud of these efforts and consistently receive very positive responses from those who take advantage of them. We consistently try to further our education efforts by integrating it into all of our activities. For example, when we rescue a stranded sea turtle on the beach or in the lagoon, conduct our monthly beach cleanups, or perform our nest surveys, people on the beach are naturally curious about what we are doing. Therefore, we take advantage of the opportunity by explaining what we are doing and why it helps our sea turtles. We also answer any follow-up questions and frequently give them a brochure or flier to take home so they can learn more about our efforts.

STPS developed the following approaches to educate the public:

1. Education Center
2. Presentations and Displays
3. Turtle Watch/Walk Program
4. Adopt A Turtle Program
5. Attention Boaters Program
6. Lights Out for Sea Turtles Program

Learn about each of these in the following sections.

3.1 Education Center

Since its inception in 1986, STPS has included educational displays throughout its facility. However, in 2016, STPS fulfilled a long-standing goal to expand our facility to include an area dedicated to education. This year, a unit adjacent to the Sea Turtle House in the complex that STPS currently rents became available. STPS took advantage of this opportunity and added a separate Education Center in the adjoining room that opened on June 18. The new center has informational posters, brochures and educational displays. In addition, it contains stations for hands on and interactive education, sea turtle videos, and presentations by reservation for groups of 20-25. The center also has a few real turtle artifacts that STPS is permitted to display. Additional replicas include a life-sized adult green turtle, a sub-adult loggerhead, a juvenile loggerhead and a juvenile Kemp's Ridley.

Actual sea turtle artifacts are also displayed with permission from the FWC including skulls and carapaces. Some items that were confiscated by the US Customs, such as cowboy boots made of sea turtle leather, illustrate the need for regulations to help preserve our sea turtles for generations to come.

"One In 1000" Project

In 2016, a board member (Nini Conner) proposed that STPS create a display in the new Education Center that would visually illustrate that the odds of a new sea turtle hatchling surviving to maturity are very low, commonly believed to be 1:1000. (That means for every ten female turtles that lay a

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nest of 100 eggs, only one of these baby turtles will survive to maturity (approximately 20 to 25 years) before it can start laying its own eggs.) As a result, the “One in a Thousand Turtles” project was born.

Nini designed a pattern showing where to fold a piece of paper into a three-dimensional hatchling sea turtle. This process referred to as origami, proved an inexpensive effective medium to reach our goal. STPS volunteers distributed the origami pattern to individuals, groups and Brevard County schools. The pattern and instructions were also available for download from the STPS website.

The response was overwhelming! Once the origami pattern was folded into sea turtles, 1000 finished origami turtles were hung from the ceiling of the STPS Education Center with a single larger origami sea turtle in the center as the only hatchling surviving to maturity. The sheer magnitude of seeing one mature sea turtle amid a sea of 1000 tiny sea turtles created the visual representation of the plight of the hatchlings and clearly illustrated the survival statistic.

The project was so popular several organizations in the local area used the STPS pattern to do their own “One in a Thousand project”. Several origami workshops were held to illustrate how to fold the sea turtles, including two at the Barrier Island Center during the Sea Glass Symposium. The following Brevard County Schools also participated; Roosevelt, Williams, Lewis Carroll, Stevenson, West Melbourne, Tropical, and Cape View Elementary Schools, Meadowlane Intermediate Elementary School, Edgewood Junior/Senior High School, and Trinity School.

2016 “One In 1000” Volunteer Hours	Number of Hours
Project Design	20
Origami Folding Workshops at Education Center	145
Barrier Island Center Workshops	50
Origami Folding Events at 10 Public Schools	200
2016 Total Volunteer Hours	415
2016 Value of Volunteer Time	\$22.08 x 415 hrs = \$9,163.20

3.2 Presentations and Displays

During 2016, STPS was invited to provide the following talks and displays. There were approximately 30,000 people who attended one or more of the 70 events in which STPS participated.

- The presentations were made at schools, libraries, festivals, community organizations and clubs in the Brevard County area. The presentations were of two types: a slide/video show or an informal lecture. Both included a question and answer period.

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- The displays generally consist of an educational board, free literature, marine turtle replicas and STPS items that are available for sale. Volunteers answer questions from the public.

The following is a list of the public contacts/events.

STPS Presentations and Displays for 2016							
Date	Display Talk Hours	Type	Activity	Location	City	Volunteers	Volunteer Hours
1/21/16	5-630 PM	Presentation	Marine Biology Association	Florida Institute of Technology	Melbourne	1	3
1/22/16	12-1 PM	Presentation	Environmental Literature Guest Speaker	Florida Institute of Technology	Melbourne	1	2
1/29-30/16	6-10 PM 9-5 PM	Display	FL Marine Turtle Permit Holder Meeting	Hyatt Hotel	Jacksonville	2	8
2/9/16	3-430 PM	Presentation	Daisy Troop Meeting	Masny Room	Melbourne Beach	1	3
2/20/16	9-4 PM	Display	Seaglass and Ocean Gems Symposium	Barrier Island Center	Melbourne Beach	2	18
2/20/16	10-12PM	Presentation	Origami Folding for 1 in 1000 Project	Barrier Island Center	Melbourne Beach	2	4
3/2/16	10-11AM	Presentation	Daughters of the American Rev	Cocoa Beach	Cocoa Beach	1	1
3/12/16	9 -1 PM	Display	Pelican NWR Fest	Pelican NWR	Merritt Island	4	30
3/17/16	230-330 PM	Presentation	Surfrider Chapter Meeting Speaker	Roosevelt Elementary	Cocoa Beach	1	3
3/19/16	1 -4 PM	Presentation	Turtle Talk	Cocoa Beach Library	Cocoa Beach	3	13
4/1/16	12-115 PM	Presentation	K-7	Coastal Community School	Satellite Beach	1	3
4/5/16	1 -130PM	Pick up (origami turtles)	Science High School Class	Edgewood Jr/Sr High School	Merritt Island	1	1
4/16/16	1 0-3PM	Display	Party for the Planet	Brevard Zoo	Melbourne	1	6
4/16/16	1 -4 PM	Presentation	Turtle Talk	Suntree/Viera Library	Viera	1	6
4/23/16	830-3 PM	Display	Earth Day/Arbor Day	Riverview Park	Sebastian	2	14
4/30/16	2-430 PM	Activity	Origami	Barrier Island Center	Melbourne Beach	1	4
4/30/16	1-4 PM	Presentation	Turtle Talk	Eau Gallie Library	Melbourne	1	6
5/7/16	8 -4 PM	Display	Melbourne Beach Founder's Day	Ryckman Park	Melbourne Beach	various	20
5/15/16	9 -2 PM	Activity	Wooden Toy Boxes	Lori Wilson Park	Cocoa Beach	4	40
5/15-16/16	10-4 PM	Display	Offshore Super Boat Race	Lori Wilson Park	Cocoa Beach	3	18
5/16/16	1-4 PM	Presentation	STERP	Satellite Beach Public Library	Satellite Beach	3	9
5/18/16	1-4 PM	Activity	Origami Folding for 1 in 1000 Project	Barrier Island Center	Melbourne Beach	2	6
5/21/16	9 -12 PM	Presentation	STERP	Satellite Beach Public Library	Satellite Beach	3	9
5/28/16	1-4 PM	Presentation	Turtle Talk	Satellite Beach Public Library	Satellite Beach	3	9
5/31/16	430-745 PM	Presentation	STERP	Cocoa Beach Public Library	Cocoa Beach	5	15
6/3/16	2-330 PM	Presentation	Summer Youth Library Program	Cape Canaveral Public Library	Cape Canaveral	1	3
6/11/16		Presentation	Special Needs			1	6
6/13/16	9-10AM	Presentation	Palm Bay Academy Eco Camp	Palm Bay Academy	Palm Bay	2	4
6/14/16	1 -4 PM	Presentation	Turtle Talk	Eau Gallie Public Library	Eau Gallie	1	2.5

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STPS Presentations and Displays for 2016							
Date	Display Talk Hours	Type	Activity	Location	City	Volunteers	Volunteer Hours
6/16/16	1 -4 PM	Presentation	Turtle Talk	Satellite Beach Public Library	Satellite Beach	2	6.5
6/16/16	8-6 PM	Display	WSTD Brevard Zoo	Brevard Zoo	Melbourne	5	50
6/18/16	8-7 PM	Open House	WSTD, Edu Center Opening	Education Center	Indialantic	4	60
6/18/16	1 -4 PM	Presentation	Turtle Talk	Cocoa Beach Public Library	Cocoa Beach	1	4
6/18/16	9 -12 PM	Presentation	STERP	Cocoa Beach Public Library	Cocoa Beach	5	15
6/24/16	11-12 PM 1-2 PM	Presentation	Summer Camp	La Petite Academy	Melbourne	1	5
6/27/16	9-1030 AM	Presentation	Palm Bay Academy Eco Summer Camp	Education Center	Indialantic	1	4
6/27/16	9-10 AM	Presentation	Summer Camp	La Petite Academy	Merritt Island	1	3
7/1/16	2-330 PM	Presentation	Summer Program	Shining Star Learning Center	Titusville	1	5
7/9/16	1-4 PM	Presentation	Turtle Talk	West Melbourne Library	West Melbourne	2	8
7/16/16	1-4 PM	Presentation	Turtle Talk	Suntree/Viera Library	Viera	2	8
7/18/16	10-12PM	Presentation	Summer Camp	Space Coast Montessori	Melbourne	various	4
7/19/16	10-12 PM	Presentation	Summer Science Prg	Education Center	Indialantic	1	3
7/23/16	930-430 PM	Display	Environmental Youth Summit	Brevard Zoo	Melbourne	1	10
7/28/16	930-1030AM	Presentation	Summer Camp	Indian Harbour Montessori	Indian Harbour Beach	1	4
7/30/16	12-330 PM	Display	TCC School Rocks Backpack Giveaway	Verizon Wireless	Rockledge	3	3
8/1/16	3-430 PM	Presentation	Palm Bay Girl Scout Group	Education Center	Indialantic	1	2
8/5/16	10-12 PM	Presentation	Summer Camp	Space Coast Montessori	Palm Bay	1	4
8/7/16	1-4 PM	Presentation	Turtle Talk	DeGroot Public Library	Palm Bay	2	8
8/12/16	10-1130 AM	Presentation	ELS Florida Tech Class	STPS Education Center	Indialantic	1	3
8/13/16	1-4 PM	Presentation	Turtle Talk	West Melbourne Library	West Melbourne	1	4
9/3/16	10-3 PM	Display	Cold Blooded Weekend	Brevard Zoo	Melbourne	2	12
9/14/16	530-8 PM	Display	Teacher Open House	Brevard Zoo	Melbourne	2	7
9/16/16	10-11 AM	Presentation	4 th Grade Class	St Marks Academy	Cocoa Village	1	2
9/21/16	2-230 PM	Presentation	Satellite Beach Police Dept	Satellite Beach Police Dept	Satellite Beach	1	1
9/28/16	130-230 PM	Presentation	Surfrider Chapter Speaker	Gemini Elementary	Melbourne Beach	1	2
10/4/16	2-330 PM	Presentation	WiSE Guest Speaker	Eastern Florida State College	Melbourne	1	2.5
10/19/16	9-1030 AM	Presentation	6 th Grade Classes	New Hope Lutheran School	West Melbourne	1	2.5
11/1-30/16	All Day	Display	Library Display Case	Suntree Public Library	Viera	1	2
11/4/16	1130-1230 PM	Presentation	Education Center	STPS	Indialantic	1	2
11/5/16	9-3 PM	Display	Satellite Beach Founders Day	Schechter Community Center	Satellite Beach	9	40
11/7/16	630-730 PM	Presentation	Marine Biology Society	Florida Institute of Technology	Melbourne	1	2
11/9/16	330-430 PM	Presentation	Environmental Club	Holy Trinity Lower Campus	Melbourne	1	2

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STPS Presentations and Displays for 2016							
Date	Display Talk Hours	Type	Activity	Location	City	Volunteers	Volunteer Hours
11/12/16	10-2 PM	Display	Indian River Lagoon Day	Front Street Park	Melbourne	6	18
11/15/16	1-2 PM	Presentation	Elementary class	Discovery Elementary	Palm Bay	1	3
11/22/16	830-3 PM	Presentation	High School Science Classes	Edgewood High Schl	Merritt Island	2	13
12/1-30/16	All Day	Display	Library Display Case	Merritt Island Public Library	Merritt Island	1	2
12/3/16	10-5 PM	Display	Ocean Reef Beach Festival	Pelican Beach Park	Satellite Beach	10	36
STPS Presentations and Displays 2016 Total Volunteer Hours							629

2016 Presentations and Displays Volunteer Hours	629
2016 Value of Volunteer Time \$22.08 x 629 hrs = \$13,888.32	

3.3 Turtle Watch/Walk Program

The STPS offers Turtle Watch/Walk events when the loggerhead sea turtle nesting season peaks in Brevard County in June and July. Our Florida State Permit allows us to guide groups to observe a nesting loggerhead sea turtle depositing her eggs. The Walk Team is comprised of many volunteers including Greeters, Presenters and Guides all trained and experienced in their respective roles. Special training, held in the spring, is required for our Guides. Annually, this program offers a great opportunity to educate those attending our watches/walks about the history of the sea turtle, their life cycle, natural predators, human impact, laws that protect them and conservation measures. It also offers information on how the public can help their survival rate.

In 2016, STPS held 34 public turtle watches/walks that were attended by approximately 1048 people. There are no guarantees that attendees will see actual nesting, since it is up to the cooperation of Mother Nature and sea turtles. In 2016, there were seven nights that attendees were not able to observe an actual nesting loggerhead. Most of the failed walked events occurred toward the end of walk season, with six misses within the last nine walks. In order to enhance the chance of providing the attendees the opportunity to witness an actual nesting in and near the Archie Carr National Wildlife Refuge, we will attempt to get permission to move the start of walk season into May. The beaches of Brevard County are the largest loggerhead nesting area in the world and the largest nesting area in the Northern Hemisphere for green turtles.

Attendees were first given a forty-five minute Power Point presentation with a question and answer session. Upon completion of the presentation, the group was guided to the beach cross-over to await a signal from our scouts. The group was then guided down to the beach and to the turtle to observe the nesting process in such a manner as to not disturb her. Walks were conducted four times a week (weather permitting) alternating between Satellite Beach and Spessard Holland North beach. Facilities for presenting our Turtle Watch/Walk events, and thus fulfilling our permit requirements, were graciously provided by:

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- City of Satellite Beach
- Brevard County Department of Parks & Recreation

As Primary Permit Holders, David Hochberg and Craig Konkel acted as Turtle Walk Coordinators. Two training sessions were conducted for all individuals interested in taking part in the STPS Turtle Watch/Walk Program with two practice walks conducted before the start of the season. For each walk there was a designated Walk Leader, being either the Permit Holder or an appointed Permitted Guide, with both Permitted and Non-Permitted Guides signed up to assist.

STPS could not have accommodated the attendees at these events without the able assistance of the 24 Permitted Guides and approximately 34 Non-Permitted Guides that assisted. All of the guides are volunteers.

The following tables provide our “best estimate” for the number of volunteer hours contributed by the STPS Walk Team.

Turtle Walk Training (one session required)				
Volunteers Attending		Number of Training Sessions	Length of Session	Estimated Volunteer Hours
Permitted	Non Permitted			
19	27	2	2 hrs	92

Actual Turtle Walks				
Walk Staff per Walk		Walk Duration	Number of Walks	Estimated Volunteer Hours
Walk Leader	1	4 hrs	34	136
Greeter	1	1 hrs	34	34
Presenter	1	1 hrs	34	34
Merchandise Sales	2	1 hrs	21	42
Turtle Scouts	10	3.5 hrs	34	1190
Total Volunteer Hours (Includes 92 hours for Training)				1528

2016 Turtle Watch / Walk Volunteer Hours	1528
2016 Value of Volunteer Time \$22.08 x 1528 hrs =	\$33,738.24

A basic summary of the duties, rules and regulations for both the Permitted and Non-Permitted Guides follows:

Duties of Turtle Watch/Walk Guides (Permitted Guides)

Volunteer Watch/Walk Guides are critical to the overall activity. Every guide is required to receive training in the watch procedures. During an actual Watch/Walk event they oversee the registration process, scouting the beach for nesting turtles, assist the group to the beach where the turtle is nesting and are prepared to answer questions from the group with reliable and accurate information about the nesting process and sea turtles in general.

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Duties of Assistant Guides (Non-Permitted Guides)

Volunteer Assistant Guides are equally critical for the activity. They perform activities required to set up the equipment for the presentation, sign in the registered guests and distribute the information packets. Additionally, they assist the permitted guides in scouting the beach for nesting turtles. They are also prepared to answer questions from the participants regarding all aspects of the turtle walk process.

A summary of Florida Fish and Wildlife Conservation Commission, Imperiled Species Management Section Guidelines follows.

Guidelines for Public Awareness at Turtle Watch/Walk

All participants in turtle watches/walks must be informed of the Federal and State of Florida laws protecting sea turtles and their nests. Participants must be informed that conducting turtle watches/walks or contact with sea turtles without permit is unlawful.

1. Only loggerhead turtles may be observed by participants.
2. Interpretive programs on sea turtle biology and conservation are mandatory.
3. Public awareness turtle watches/walks may not be commercialized. (STPS requests a donation to cover expenses - the donation is not mandatory.)
4. Age limitations for participants are left to the discretion of the principal permit holder.
5. Scouts will be utilized to search for nesting loggerheads if the group size exceeds five (5) participants.
6. Participant flashlights are not permitted.
7. Guides and Scouts are encouraged to invite persons who are out on their own to join the group. (STPS encourages beach "pick-ups".)
8. Guides and Scouts must exercise great caution when exposing a nest.
9. Participants must stay with the group, remain quiet and approach the sea turtle only from the rear.
10. Use of flash photography and lights for filming is not permitted.
11. Only one nesting turtle shall be observed by the group per night.
12. No more than five turtle watches/walks may be conducted per seven day week.
13. A summary of each watch/walk shall be completed on the Turtle Watch/Walk Summary form.

3.4 Adopt a Turtle Program

STPS sponsors an Adopt a Turtle Program that helps to make the public aware of the plight of sea turtles survival. Sea turtles face worldwide threats to their survival. Most of these threats are man-made. STPS provides the opportunity for individuals and organizations to do their part to help the survival of such magnificent species. Adopting a sea turtle helps to support the STPS's conservation efforts. The adoption of a sea turtle is purely symbolic. No individual may actually own a sea turtle. Sea turtles are protected by state, federal and international laws.

There are three options available from which to choose:

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1. Adopt a Hatchling: For a fifteen dollar donation, donors can assist STPS nest survey efforts by adopting a hatchling. Each hatchling adoption includes:
 - A personalized certificate of adoption, with choice of name for your hatchling
 - A personalized thank you letter
 - Information on sea turtle hatchlings
 - There were 47 hatchling adoptions in 2016.

2. Adopt a Nest: For a forty-five dollar donation, donors help STPS nest watch/walk efforts by adopting a nest. Each nest adoption includes:
 - A personalized certificate of adoption
 - A personalized thank you letter
 - Information on sea turtle nesting
 - One year individual membership
 - There were 24 nest adoptions in 2016.

3. Adopt a Stranded Turtle: For a seventy-five dollar donation, donors can help STPS stranding and salvage efforts by adopting a stranded turtle. Your donation includes:
 - A personalized certificate of adoption
 - A personalized thank you letter
 - Information on sea turtle stranding and disorientation
 - One year individual membership
 - Sea Turtle Preservation Society Sticker
 - There were 15 stranded turtle adoptions in 2016.

2016 Adopt a Turtle Program	Number of Adoptions
Adopt a Hatchling	47
Adopt a Nest	24
Adopt a Stranded Turtle	15
TOTAL Adoptions	86

2016 Adopt A Turtle Volunteer Hours	70
2016 Value of Volunteer Time	\$22.08 x 70hrs = \$1,545.60

3.5 Attention Boaters Program

The STPS Attention Boaters program began in 2011 as a direct response to the Cocoa Beach offshore boat races that were held during the Sea Turtle Nesting Season (May 1 through October 31) in Cocoa Beach, FL. Injuries related to boating encounters account for the highest cause of sea

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turtle deaths in our area. STPS has used grant funds awarded in 2012 and 2015 from the Sea Turtle License Plate Grants Program to fund this education program. This program is directed toward boaters and increasing their awareness of the threat boats present to sea turtles in our waters.

The program is designed to make boaters aware of the sea turtle population in both the Atlantic Ocean and the Indian River Lagoon and encompasses the following components:

- Water-resistant information cards that provide information related to the special boating precautions necessary when navigating in waters with sea turtles present. These cards were distributed to most of the marine related businesses located in the sea turtle areas of Brevard County and to participants of the Cocoa Beach off shore boat races.
- "Attention Boaters" signs (18"x24") were erected at boat ramps throughout Brevard County including a larger version at Ballard Park in Melbourne. These signs alert boaters to sea turtle activity in the local waters and educate boaters about the threat they may pose to sea turtles. STPS plans to erect more of these signs at other marine parks in Brevard County as funds become available.
- STPS volunteers have assisted as "spotters" in boats, watching for any sea turtle activity along the racecourse.

For 2016, STPS had five volunteers working as spotters in boats during the offshore boat race in Cocoa Beach. Additionally we distributed the information cards to area boat shops and spectators at the race. We also had an educational table with exhibits where we talked with the boat race drivers about sea turtles.

2016 Attention Boaters Volunteer Hours	137
2016 Value of Volunteer Time \$22.08 x 137 hrs	= \$3,024.96

3.6 Lights Out for Sea Turtles Program

STPS is an active participant in FWC's yearly Lights Out for Sea Turtles campaign. This program is directed toward Florida's businesses, residents and visitors to announce the start of the sea turtle nesting season in Brevard County, FL, which is officially designated as May 1 through October 31.

Lights Out refers to the Florida policy to darken the beach during the sea turtle nesting season. Bright lights shining on the beach can disorient and discourage nesting, egg-laden female turtles and lure newly-hatched baby turtles towards artificial light sources. As hatchlings turn away from the sea to cross into streets and parking lots, they are invariably killed. Sea turtle marine biologists report that darker beaches are safer and more attractive to female turtles and less disorienting for the hatchlings.

STPS contacts the local media to ensure that announcements are published to alert the public of this Lights Out period.

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STPS has used grant funds awarded from the Sea Turtle License Plate Grants Program to purchase materials for our “Lights Out” education program. Our efforts included the development and distribution of the following educational items:

- “Lights Out” rack cards (4”x9”) that describes the effect lights have on nesting females and hatchlings. These cards were distributed at events and dropped off at hotels and local beachside residences.
- A large vinyl banner (32”x72”) similar to the “rack card” that can be mounted on a portable display stand. These banners have been placed in several beachside resort hotel lobbies.

For 2016, we continued to support the Lights Out program with the distribution of the rack cards and the vinyl banners.

2016 Lights Out Volunteer Hours	110
2016 Value Volunteer Hours \$22.08 x 110 hrs	= \$2,428.80

4. Stranding and Salvage Program

STPS supports the Sea Turtle Stranding and Salvage Network (STSSN), which was established by the National Oceanic and Atmospheric Administration (NOAA) Fisheries Service in the southeastern U.S. and Gulf of Mexico in 1980. The STSSN has since spread to encompass the entire east and gulf coasts of the U.S., from Maine through Texas, as well as parts of the Caribbean. A stranding occurs when sea turtles swim or float into shore and become "beached" or stuck in shallow water. Salvage efforts refer to sea turtles that are dead.

There are over 300 miles of shoreline in Brevard County that includes the Atlantic beach; the shores of the Indian River, Banana River and the Mosquito Lagoon. When a sea turtle becomes stranded, typically individuals from the general public will notice it on one of our beaches and contact the STPS using our emergency phone number. The STPS emergency number is published in a variety of publications in the Brevard County area. Additionally, stranding calls are received at the Sea Turtle House during office hours. These calls, regarding sick, injured or dead sea turtles, result in the activation of our Stranding Team. Volunteers that monitor the phone system get important details about the turtles such as location and condition. Calls from the public, which are left as a voice mail, are converted to a phone text message and an email message. The messages are forwarded immediately to several Stranding Team members. The Stranding Team is on call 365 days a year to rescue and salvage the endangered and threatened sea turtles. When a call is received regarding other wildlife problems (not sea turtles) the volunteer will pass along the information to the appropriate responder group.

All volunteers working "hands on" with sea turtles are required to be named on a permit issued by the Federal and /or state governments. Florida issues this kind of permit to individuals, (referred to as the "primary permit holder") and can have up to 24 additional people named on the permit to assist with the activities. The permit identifies specific activities that can be conducted by the individuals named on the permit. Volunteers identified on the permit must complete a biannual training class held by a Stranding Coordinator from FWC, and the primary permit holder must also attend additional training/meeting sessions. This permit expires at the end of each calendar year.

In conjunction with the STPS Stranding Team, STPS has implemented a Sea Turtle Emergency Response Program (STERP). The purpose of this program is to provide beach coverage to search for and rescue post-hatchling sea turtles that have washed back ashore after a large storm event. This program is designed to increase the number of post hatchling sea turtles that are rescued, rehabilitated and eventually released back into the ocean.

After sea turtle hatchlings emerge from their nest on the beach, they enter the ocean and swim approximately 20 miles to the edge of a large layer of seaweed that circulates offshore. This layer of seaweed is called the Sargasso Sea and is part of the Atlantic Gyre. This is essentially a sea turtle nursery in that it provides nutrients and protection from predators until the young sea turtles reach a size where they can safely venture out into the open ocean or closer to shore.

After large storm events, these small sea turtles can be washed back onto shore along with large amounts of seaweed and algae. These "washback" or post hatchling sea turtles are exhausted,

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dehydrated and in need of medical attention. If placed back into the ocean they will perish, as they no longer have the energy to swim the 20 miles back to safety.

STPS uses the STERP volunteers to survey the beach “wrack line” searching for washback/post-hatchlings and transport them to a safe holding area. The STERP activities are authorized under the Stranding permit with “letters of authorization” from FWC.

4.1 Stranding Activities

In 2016, Roger Pszonowsky was the primary permit holder in charge of the STPS Stranding Team. The STPS stranding team members were actively involved with the stranding process throughout the year. Additionally, they participated in a variety of training related activities.

In 2016, the team completed 148 stranding reports in Brevard County which is 51 more than last year. STPS expanded its reach into Indian River County by assisting in transports from that area.

4.1.1 Stranding/Salvage Training

The annual Florida Marine Turtle Permit Holders Meeting was held in Jacksonville, Florida, in February 2016. FWC sponsors this annual meeting to provide the latest research data, announcements and networking opportunities for all Marine Turtle Permit Holders. Attendance is required for primary permit holders. It is open to volunteers and those named on the various permits. STPS had twelve stranding volunteers attend this meeting.

During 2016, the STPS stranding primary permit holder continued work on the development of a program focusing on training volunteers to be knowledgeable of potential injuries to sea turtles during transport to rehabilitation facilities. This effort was initiated in 2015 after a discussion presentation at the Marathon Turtle Hospital regarding injuries that sea turtles may receive during transport. After several meetings with FWC personnel, veterinarians and staff from turtle rehabilitation facilities, a proposal was made to formalize this training and make an application to FWC for a permit covering volunteers involved in sea turtle transport.

Formalizing this Transport Training will help to increase sea turtle survival chances and allow more volunteers the opportunity to take part in hands on activities. A Power Point program was developed based on feedback from several facilities and is pending review and update before formal application for a Marine Turtle Permit. Individuals approved for sea turtle transport would be required to take the FWC stranding and salvage training every two years, participate in the Transport Training, demonstrate proper handling of injured turtles and have access to a properly equipped vehicles. Twenty volunteers participated in the Transport Training during 2016.

Additionally, ten STPS stranding volunteers attended a weekend conference at the Marathon Turtle Hospital in December 2016. This is essentially a “kick off” for the upcoming year. The conference activities included necropsies, surgery techniques and networking with Florida and regional turtle rehabilitation experts.

Another 2016 training activity involved the Loggerhead Marinelifelife Center of Juno Beach, Florida, which has a program called Responsible Pier Initiative. This program promotes responsible fishing, sea turtle and bird rescue and recycling of fishing line. Their program is in place at many fishing

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piers in the United States. The Marinelife Center has offered to provide their signage and training to employees at Port Canaveral; including Port security, dockworkers and others that work around the water. STPS scheduled this training to be ongoing throughout 2017.

4.1.2 Stranding/Salvage Activity

The following data is extracted from the 2016 stranding documents completed by STPS volunteers and may not include reports by other stranding permit holders in Brevard County.

STPS 2016 Documented Strandings	Number of Turtles
Loggerheads (<i>Caretta caretta</i>)	48 dead / 13 live = 61 total
Greens (<i>Chelonia mydas</i>)	45 dead / 31 live = 76 total
Kemp's Ridley (<i>Lepidochelys kempii</i>)	0
Leatherback (<i>Dermochelys coriacea</i>)	0
Hawksbill (<i>Eretmochelys imbricate</i>)	1 live = 1 total
Unknown	10 dead = 10 total
TOTAL	103 dead / 45 live = 148 total strandings

Of the 148 strandings, there were 45 live turtles (30%). Of these live turtles, 19 had boat interaction injuries (props or hull) and 10 had entanglement issues. The table below lists the facilities where the live turtles were transported.

Facilities	Number
Brevard Zoo/Sea Turtle Healing Center	26
Sea World Orlando	12
Marine Science Center, Volusia	2
Gumbo Limbo, Boca Raton	1
Mote Marine Labs, Sarasota	1
Handed off to FWC	3

During 2016, the Stranding Team participated in several turtle releases including a release at the annual Turtle Krawl 5K Run/Walk of a Sea World Orlando turtle patient. Releases are organized by the responsible rehabilitation facility or FWC. Generally, sea turtles that are released are returned to the location of their rescue.

2016 Florida Statewide Stranding Data (provided by FWC)

In 2016, Florida had a total of 2201 documented strandings:

- 702 Loggerhead (*Caretta caretta*)
- 1280 Green (*Chelonia mydas*)
- 170 Kemp's Ridley (*Lepidochelys kempii*)
- 16 Hawksbill (*Eretmochelys imbricate*)
- 8 Leatherbacks (*Dermochelys coriacea*)
- 25 Unknown

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The table below is an estimate of the total number of volunteer hours expended by the STPS StrandingTeam during 2016.

Stranding Activity	Total for Year	Persons	Hours per Stranding, Event or Week	Estimated Volunteer Hours
Dead Strandings	103	1	3	309
Live Rescues (Includes 4 hours per transport)	45	2	10	450
Other Stranding Activities				
Training (does not include STERP)		45	6	270
Rehabilitation Workshop		10	28	280
Permit Holders Meeting		5	30	150
Program Management - (52 Weeks)		2	25	2600
Turtle Facility Consult - (52 Weeks)		1	3	156
2016 Stranding - Total Volunteer Hours				4215
2016 Value of Volunteer Hours \$22.08 x 4215 hrs =				\$93,067.20

4.2 STERP Activities

In 2016, the Sea Turtle Emergency Response Program (STERP) completed its ninth year. The community response for this program continues to be as enthusiastic as when it was initiated. This was the first year that we had a major post hatchling (a/k/a wash back) incident.

STPS conducted STERP Workshops on May 16th, 21st, 31st, and June 18th. A total of 129 volunteers completed the workshop and field training sessions. Attendance rosters from each session were sent to Florida Fish and Wildlife Conservation Commission, and we received Letters of Authorization (LOA) for 127 volunteers. Again, this year in order to be on the LOA, volunteers needed to have attended either Turtle 101 or Turtle Talk and be a member of STPS. In the event of a weather alert, the STERP volunteers are notified by an automatic call system known as One Call Now.

2016 was a very active season for STERP. In August, we held a two day practice alert on the 27th and 28th, a Friday and Saturday. We wanted to measure the response for both a week and weekend day. We instructed our volunteers to treat this as an actual alert. We also requested that they pick up any trash that they found on the beach. Approximately one third of the 127 STERP volunteers responded and submitted reports.

In September (7th and 8th) we had an actual alert where 15 post hatchlings were recovered and sent to the Brevard Zoo's Sea Turtle Healing Center.

In October as Hurricane Matthew approached Brevard County, we had some post hatchlings dropped off at the Sea Turtle House on Wednesday and Thursday before the storm's arrival on

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Friday. On October 6th we declared an event that was extended several times through November 3rd. This was the result of persistent north/east winds from both hurricanes Matthew and Nicole. Over 2000 post hatchlings were recovered by STPS volunteers and the general public. STERP volunteers, Stranding and Salvage Team members and others who helped with processing the post hatchlings made two to three trips a day to the Sea Turtle Healing Center and transported some of the post hatchlings to the Ponce Inlet Marine Center. 61 of the 127 STERP volunteers were able to respond to this alert despite the overall storm conditions. Based on this participation level, STPS needs to assess how many participants are needed to respond in these events and adjust our overall STERP volunteer level accordingly. This will be emphasized in the 2017 training.

During this extended event, we had a number of print and television stories about the event. Through the media and Facebook we were able to communicate to the general public what to do if they found a post hatchling, how to transport it, and where to bring it. We estimated that the public brought in approximately 900 turtles. As they dropped them off to STPS, we provided some one-on-one education describing what was happening and what we are doing to help the turtles survive. Based on the time the public spent in finding, delivering and being educated we estimated an average of 2 hours per turtle for a total of 1800 hours.

STERP volunteers also assisted with the distribution of literature to beach side condos, hotels and businesses. This literature addressed sea turtles that nest on Brevard County beaches, the Lights Out Program during the nesting season and sea turtle reporting procedures. Volunteers also assisted in distributing Attention Boaters Program cards during the Cocoa Beach Super Boat race in May 2016; and then later to marinas, bait shops and marine related businesses. Several STPS volunteers helped as observers during the Super Boat Race. They were stationed both on the shore and in boats.

The table below is our “best estimate” for the total number of volunteer hours expended by the STPS STERP Team during 2016.

STERP Activity	Hrs.	Volunteers	Estimated Volunteer Hours
Training (STERP and Cold Stun)	3	129	387
Registration/Prep	4	20	80
Practice Exercise	3	47	141
September, October, and November Exercises	7	61	427
Boat Race Observers	8	7	56
Literature distribution to beach hotels, condos,	8	15	120
General Public Hours including educating them (900 turtles x 2 hrs / turtle)			1800
2016 STERP - Total Hours			3,011
2016 Value of Volunteer Hours \$22.08 x 3011 hrs			= \$66,482.88

4.3 Brevard “Sea Turtle Healing Center”

Brevard County Florida is one of the world’s most important natural habitats for marine turtles in the world. Proportionally Brevard County has the largest number of sea turtle strandings in Florida. When STPS rescues an injured or sick sea turtle, a member of the STPS Stranding Team must transport it to a rehabilitation facility. There are sixteen sea turtle rehabilitation facilities (seven certified for fibropapilloma virus) across the state. The decision as to where a turtle goes is up to FWC and is dependent on several factors including available space, type of sickness or injury and staffing. In some cases, the transport can take up to four hours. Unfortunately, some turtles need medical attention immediately and often die during the long transport time to a medical facility.

As a response to this situation, in 2013, STPS entered into a three-year partnership agreement with Brevard Zoo to develop Brevard County’s first sea turtle medical facility. Its purpose is to provide triage type medical attention to sick and injured turtles. As part of this agreement, STPS committed \$25,000 a year to help fund operating costs.

The Brevard Sea Turtle Healing Center (<https://brevardzoo.org/conservation-programs/sea-turtle-healing-center/>) became a reality in 2014 because of the combined efforts of STPS and Brevard Zoo, grants from the Sea Turtle License Plate Grants Program and donations from Marineland Dolphin Adventure / Georgia Aquarium. The facility is a 2400 square foot steel roofed building located adjacent to Brevard Zoo’s animal hospital and has twelve tanks and can house up to 40 turtles. Four of these tanks are dedicated to turtles with fibropapilloma tumors.

Brevard Zoo is responsible for the operation and maintenance of the facility. Zoo volunteers working under guidance of Brevard Zoo veterinary staff perform the daily operating tasks to maintain the facility. Brevard Zoo, like STPS, relies heavily on volunteers. Many STPS volunteers also work as Brevard Zoo volunteers at the Brevard Sea Turtle Healing Center facility under the supervision of Brevard Zoo staff.

During 2016, STPS volunteers transported twenty six live sea turtles to the Brevard Sea Turtle Healing Center. FWC continues to determine where the sea turtle is transported, but having this facility as an available option reduces transportation time and increases sea turtles survivability rate.

In addition, we transported approximately 2000 post hatchlings (a/k/a wash backs) to the Brevard Sea Turtle Healing Center. During the peak of the event we were making two to three trips a day. Without the availability of the facility, we would have had a serious logistics problem of having to transport to other facilities in Orange and Volusia counties.

In 2016, STPS entered into another three year partnership with the Brevard Zoo. During the period, STPS is committed to continue to contribute at least \$25,000 per year.

5. Sea Turtle Nesting Survey Program

STPS participates in the Florida statewide sea turtle nest monitoring program which is coordinated by the Florida Fish and Wildlife Conservation Commission. The primary purpose of this program is to use annual survey data to determine the nesting trends of the sea turtles that nest on Florida Beaches.

STPS's first nest survey permit was granted in 1996 to survey a two mile stretch of beach along the Atlantic Ocean, starting at the northern boundary of Patrick Air Force Base to a few buildings north of 10th Street South. In 2009, the survey area was extended north to encompass a total of 4.5 miles. STPS has conducted these surveys every year with the exception of 2014 and 2015. In 2014 and 2015, our survey efforts were voluntarily put-on-hold due to a beach re-nourishment project. In 2016, STPS restarted the nest surveys covering the original two miles.

Survey duties include several volunteers walking different sections of the entire survey area every morning from April to September, in which all nests and false crawls are recorded. Recorded data includes the type of turtle (determined by the track and nest characteristics), its location, any signs of depredation, including signs of interference by man and/or animal. Additionally, approximately 20 percent of the nests found are marked via stakes for "evaluation" after the eggs had hatched (approximately 55 days). The criteria we use for marking nests include marking of all "non-loggerhead" nests.

After a nest has either hatched or it is past 70 days old, the nest is excavated and the contents evaluated. Once uncovered, the nest's contents are reviewed to determine the number of hatched eggs, un-hatched eggs, pipped eggs, dead hatchlings, and even the occasional live hatchling, which is usually released immediately into the ocean. (If the hatchling seems weak, it is held by a permitted STPS member for a maximum of 24 hours before release.) All survey results are reported to the Florida Marine Research Institute of the Florida Department of Environmental Protection.

In 2016, approximately 60 volunteers participated in the nest survey effort beginning on April 15th and ending September 15th. Approximately 289 nests were laid in this area, with two being from leatherbacks and the remainder from loggerhead sea turtles. No green sea turtle nests were observed in our nesting area during the season. Several volunteers continued monitoring marked nest sites (checking for viable nest sites for signs of emergence) up to the arrival of Hurricane Matthew in early October. Only one nest remained during the storm and was consequently washed out. Weather did not favor successful nest productivity this year. It is possible that the prolonged high temperatures and lack of measurable rainfall during the incubation period may have contributed to the result of poor nest productivity which was noted during nest evaluations.

During the daily early morning nest survey walks along the beach in Cocoa Beach, our volunteers also pick up trash left on the beach and answer questions to curious beach walkers. We separate recyclables from the trash and donate aluminum cans to Habitat for Humanity, and also recycle plastic and glass.

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The estimated volunteer hours per activity is listed in the following tables.

Pre-Season Nest Survey Training			
Activity	Volunteers	Time Per Person	Estimated Volunteer Hours
Volunteer Orientation Secessions (2)	80	2	160
Pre Season Training – FWC Workshops	16	8	128
Team Organizational Meeting	28	3	84
FWC Permit Holder Meeting in Mobile AL (4 day road trip: 9 hours per day per person)	5	28	140
TOTAL ESTIMATED VOLUNTEER HOURS			512

Nest Surveys			
Number of Days Surveyed	Distance Surveyed	Volunteer Hrs per Day (.75 hr per mile)	Estimated Volunteer Hours
Apr - 15	2 miles	1.5 hr x 15	23
May - 31	2 miles	1.5 hr x 31	47
Jun - 30	2 miles	1.5 hr x 30	45
July - 31	2 miles	1.5 hr x 31	47
Aug - 31	2 miles	1.5 hr x 31	47
Sept - 15	2 miles	1.5 hr x 15	23
TOTAL ESTIMATED VOLUNTEER HOURS			232

Nest Evaluations – Post Hatching			
Number of Evaluations	Hours Per Evaluation	People Per Evaluation	Estimated Volunteer Hours
60	1	4	240

Daily Paperwork Processing			
Activity	Number of Events	Hrs Per Day	Estimated Volunteer Hours
Number of Survey Days	153	1.5	230
Number of Evaluations	60	1	60
TOTAL ESTIMATED VOLUNTEER HOURS			290
TOTAL ESTIMATE VOLUNTEER HOURS FOR ALL NEST SURVEY ACTIVITIES			1274

2016 Nest Survey Volunteer Hours	1274
2016 Value Volunteer Hours \$22.08 x 1274 hrs	= \$28,129.92

6. Community Involvement

Community involvement plays a critical role in helping STPS achieve its primary mission of “Helping Sea Turtles Survive.” In addition to our educational outreach efforts outlined in Section 4 of this document, STPS takes a proactive role in finding ways to educate the public about the dangers our sea turtles face and what they can do to help. At our monthly membership meetings, the public is invited to hear an expert on many topics relating to sea turtles. We are also active in maintaining our social media presence with the STPS website, STPS Facebook page and our Twitter account. We provide information to various local and regional media outlets (newspapers and television) regarding sea turtle related events such as the beginning of nesting season, sea turtle recovery and weather related information affecting sea turtles and such as the Turtle Krawl 5K Run/Walk and Night Walks in June and July.

Whenever an STPS volunteer is on the beach performing permitted sea turtle activities, the public almost always shows up and expresses a strong interest in what we are doing. Our volunteers are always prepared with educational literature to distribute and are eager to answer their questions. We consider this a very important method of educating the public because they will remember what they learn since they are simultaneously witnessing an actual sea turtle event.

Lastly, STPS sponsors monthly beach cleanups at two beachfront parks (Coconut Point Park and Cherie Down Park) allowing the public to participate in the cleanup while educating them on the dangers to sea turtles and other wildlife when the public leaves trash and other items on the beach.

6.1 Monthly Membership Meetings

As part of our community outreach efforts, STPS scheduled a variety of speakers for our monthly membership meetings which are held January through May and September through November at the Clubhouse at Pelican Beach Park. The meetings were held on the first Thursday of each month at 7:30 p.m. These meetings were open to the general public and featured topics related to sea turtles and/or their relationship to our environment. We had an average of 40 attendees per meeting. The speakers for 2016 are identified below:

STPS Monthly Meeting Guest Speakers		
Month	Speaker	Topic
January	Melanie Stadler	Brevard Zoo / Sea Turtle Healing Center
February	Nick Sanzone	Marine Resources Council
March	Dr. Llewellyn Ehrhart	fibropapilloma in Indian River Lagoon
April	Dean Bagley	University of Central Florida
May	Vince Lamb	Archie Carr National Wildlife Refuge
June, July, August	No Meetings For These Months	
September	Dr. Kate Mansfield	University of Central Florida
October	Meeting canceled due to hurricane Mathew.	
November	Dean Bagley	University Of Central Florida
December	General Election Meeting	

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2016 Membership Meetings Hours	720
2016 Value Volunteer Hours \$22.08 x 720 hrs	= \$15,897.60

6.2 Communications

STPS utilizes several methods of communication with its members and the general public. A list is included in the following table.

We have been steadily growing our social media presence on Facebook and Twitter. Social media is an important aspect of educational outreach because of the ability to reach such a diverse audience without monetary obligations. In addition, sharing our activities increases community involvement by sharing the many programs our volunteers participate in regularly with our followers. We now have a considerable following of over 100,000 people on our Facebook page.

STPS Communications		
Item	Contact	Comments
Turtle Talk	Kimberly White, Editor	In 2016, the newsletter was distributed only one time. It was posted on the STPS website and an email notification (with the link to the newsletter) was sent to members. The newsletter link was also posted on the STPS Facebook page.
STPS Website	Nini Conner	SeaTurtleSpaceCoast.org
STPS Facebook	Casie Farrell and Nikia Rice	Facebook.com/SeaTurtlePreservationSociety
One Call Now	Dave Cheney	The One Call Now is an automated phone call system designed to contact Sea Turtle Emergency Rescue Program (STERP) volunteers and zone captains. With just one call or e-mail, they can be contacted for a weather alert event.
Media Relations	Dave Cheney	In our One Call Now systems, we maintain a contact list of print, radio and television media contacts. Meetings, training and other events are sent to this group for public service announcements. Periodically stories are also sent to this group and many are polished and result in news broadcasts. The broadcast media initiated several stories this year including covering our Turtle Krawl 5K Run/Walk and sea turtle release.

2016 Communications Volunteer Hours	750
2016 Value Volunteer Hours \$22.08 x 750 hrs	= \$16,560

6.3 Beach Cleanup Program

STPS has adopted two major sections of Brevard County beaches through Keep Brevard Beautiful (KBB) "Adopt-A-Shore" program. This effort helps to keep Brevard County beaches litter-free and non-polluted for its frequent visitors and wildlife. STPS prides itself on its monthly participation at these two sites. Our coordinators and teams organize volunteers and provide them with the equipment to safely walk the beach and pick up the litter on the beach and in the dunes. STPS receives points for each clean up; plus the number of volunteers, bags of trash collected and extra points for taking the recycle products home to their own recycle bins. To read more about the KBB programs go to the following link: <http://keepbrevardbeautiful.org/our-programs/adopt-a-shore>.

The beach cleanup activity not only helps to make our beaches more presentable to the beach goers, it also provides a critical benefit to our sea turtles. Debris on the beach will deter female turtles during their nesting activity and it will also hinder baby hatchlings from making their way to the ocean. Additional, plastic left on the beach that washes into the ocean will degrade to small particles that are eaten by turtles as they feed on floating seaweed. This plastic builds up inside the turtle's digestive system and can cause death.

STPS's Adopt-A-Shore beaches are:

1. STPS-South: STPS adopted **Coconut Point Park** in Southern Brevard County at the north end of the Archie Carr Wildlife Refuge on A1A in the early 1990's. Geraldine Burke is the Coordinator with Mark Clark and Gina Myers completing the team. STPS-South was recognized by KBB as the Second Place team in the 2016 Adopt-A-Shore Program, scoring closely to the winners. In the 2014 and 2015, STPS-South was the First Place team and was presented with a special plaque. Not only do the volunteers of STPS-South meet once a month to clean the beach, they also participate in the Turtle Krawl 5K Race, Great Coastal Clean Up and Trash Bash events each year. All members share the responsibility for acting as monthly leaders based on their individual availability.
2. STPS-North: STPS adopted **Cherie Down Park and Beach** in Northern Brevard County in Cape Canaveral in January 2015. Andrea Bergman is the STPS-North Coordinator. Her team members are Dave Cheney, Everett Tindall and Kat Parks. This site was chosen in Northern Brevard County because several STPS volunteers live in that area and wanted the opportunity to help keep their beaches free of litter. In addition, Northern Brevard County has become more populated and is a busier area of the county due to our Cruise Ship and Space industry. As a result, this site has proved to be attractive to many volunteers with participation at Cherie Down Park in 2016 just surpassing last year's participation at the Coconut Point site. Although the South Team hosts several major special cleanups, they barely surpassed the North Team (8 more volunteers) in 2016. STPS-North earned Third Place in the 2016 Adopt-a-Shore competition.

In addition to these sites, STPS members may clean the beach on their own schedule. Individuals can report their activity to a special email address, beachcleanup@seaturtlespacecoast.org. Once received, the details of their efforts are forwarded to KBB to be credited to STPS's monthly totals. The most dramatic change seen in 2016 was the increase in the number of individual reporters. Most significantly were the efforts of one STPS member who faithfully reported each time she did a

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personal beach cleanup---logging in 317 hours—up 62 hours! Over a 5-month period, a new reporter recorded 92 volunteer cleanup hours. Overall, the number of Individual reporter volunteers increased by 58% and the number of hours rose by 51%. Note, these two individuals account for 98 percent of the total Individual Reporters hours.

The following table summarizes the STPS 2016 Beach Cleanup activities and special cleanups. Weather impacts forced the cancellation of 2 cleanup dates. Yet for the second year in a row the boost in Individual Reporter statistics for 2016 contributed to significant increases over last year for all categories:

- Number of volunteers participating increased from 952 to 1076;
- Total bags collected increased from 373 to 469; and
- Volunteer Hours increased from 1679 to 1780.

STPS 2016 Beach Clean Ups					
Date	People	Bags	Recycle	Location/ Comments	Estimated Volunteer Hours
01/09/2016	18	8	2	South	36
	19	5	2	North	38
02/07/2016	39	20	3	South	78
	15	1	2	North	30
03/05/2016	34	8	2	South	68
	24	2	1	North	48
04/09/2016	26	10	2	South	52
	70	5	2	North	140
04/16/2016	Dangerous Tide			South/Trash Bash	0
05/07/2016	14	6	1	South	28
	20	2	1	North	40
06/04/2016	24	7	2	South	48
	11	2	1	North	22
07/09/2016	25	12	2	South	50
	25	4	1	North	50
08/06/2016	11	4	1	South	22
	22	2	1	North	44
08/26/2016	52	56	0	North/STERP	104
09/03/2016	36	7	1	South	72
	23	2	1	North	46
09/10/2016	57	90	54	South/Turtle Krawl	114
09/17/2016	26	9	1	South /Coastal Clean-up	52
10/08/2016	HURRICANE			South	0
	HURRICANE			North	0
11/05/2016	17	12	3	South	34

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STPS 2016 Beach Clean Ups					
Date	People	Bags	Recycle	Location/ Comments	Estimated Volunteer Hours
	29	4	1	North	58
12/03/2016	18	7	1	South	36
	27	2	1	North	54
Various Days	394	182	55	Individual Reporters	416
TOTALS	1076	469	144		1780
<p align="center">2016 Value of Volunteer Hours \$22.08 x 1780 hrs = \$39,302.40</p>					

7. Fundraising Activities

All of the STPS activities (including stranding, nest surveys, turtle walks, educational presentations, beach cleanup, fundraising and others) are staffed by non-paid volunteers. STPS still requires funding to support these activities with equipment, supplies and transportation. Several fundraising efforts were held throughout the year to support our many activities and projects. These fundraising efforts include the following:

- Turtle Krawl 5K Run/Walk;
- Annual membership fees;
- Night Time Turtle Watch/Walks;
- Merchandise sales at the Sea Turtle House and area environmental events;
- Direct donations of cash by organizations or corporations;
- Corporate-sponsored promotions with STPS as the recipient of the donation;
- Direct donations of cash by individuals;
- Adopt a Turtle Program.

Turtle Krawl 5K Run/Walk

The Turtle Krawl 5K Run/Walk is the largest fundraiser benefitting the STPS. 2016 marked the seventh year STPS volunteers coordinated the race, after it was resurrected by the STPS Board of Directors in 2010. (Brevard Parks and Recreation coordinated the Turtle Krawl “Fun Run” from 2000-2008). Planning this event is a tremendous commitment on the part of the STPS volunteers but it is well worth the effort. The STPS Turtle Krawl 5K Run/Walk continues to be the largest (and arguably best) 5K race in Brevard County!

Registration opened April 1st and by race day 2601 runners/walkers had registered for the September 10th Turtle Krawl 5K Run/Walk race at James H. Nance Park in Indialantic by the Sea, Indialantic, Florida.

Race day at Nance Park began with a beautiful sunrise but hot temperatures and high humidity with a chance of rain were in the forecast. Fortunately, the sun was shining at 7:30 am, when 2232 runners and walkers of all age groups began their 3.1-mile journey through the streets of Indialantic. There were water stops and a sprinkler to provide temporary relief from the hot temperature, as well as motivational signs. After the race STPS presented an oversized \$25,000 check to the Brevard Zoo to help support the Brevard Sea Turtle Healing Center located at the zoo. The predicted rain began after the awards ceremony and the sun reappeared when SeaWorld brought a sub-adult loggerhead sea turtle for release. The loggerhead was rescued and transported by STPS to Sea World on April 20, 2016. The loggerhead, injured and suffering from an intestinal impaction, was treated for over four months and then cleared to be released following the race. Members of the STPS stranding team and hundreds of runners and walkers gathered on the beach to watch the rehabilitated turtle return back into the ocean. This is what Turtle Krawl is all about and what motivates runners, walkers, volunteers, sponsors and guests to give up their time

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to participate in such a worthy cause. Thousands of photos from the race can be viewed at <http://turtlekrawl.com/photos>.

Due to popular demand the STPS Board of Directors approved to add a virtual race in 2016. The virtual race was a huge success. Registration opened on August 20, 2016 and ran through September 30, 2016 with a total of 1,000 registrations. In addition to registrations in the United States, the virtual race had registrations from Canada, Ireland, England, Isle of Man, Germany, Austria, Switzerland, and Australia.

Between registration fees and sponsorships for the Nance Park race, and registrations for the virtual race, over \$76,000 was raised for the STPS. The STPS Board of Directors has agreed to set aside Turtle Krawl income for a "special projects" fund. 2016 marks the third year STPS has presented Brevard Zoo with a \$25,000 check to help financially support the Brevard Sea Turtle Healing Center. This sea turtle rehabilitation facility helps to ensure sea turtles rescued on Brevard County beaches get faster medical attention.

The Turtle Krawl race required numerous hours and hard work by the many volunteers who participated in poster hanging, race packet stuffing, early packet pickup, baking muffins, race day packet pickup, manning water stops, parking attendants, food/ beverage preparation/serving, course marshals and finisher medal distribution. The race would not be possible without all the wonderful volunteers who give up their time to help sea turtles survive.

Sponsors for 2016 were Port Canaveral, SeaWorld Orlando, Slug-A-Bug, Absolutely Natural, Blinds of All Kinds, Porter Premier Dermatology, Running Zone, Animal Emergency and Critical Care Center of Brevard, Florida Prep, Hydro Flask, Islands Fish Grill, Launch Federal Credit Union, Southeastern Honda, 2016 Mud Run, Stream2Sea, Toyota of Melbourne, Turtle Towel, Coastal Health Systems of Brevard, Closet Box, Double Tree, Whittaker Cooper Financial Group, Florida Today, Giant Stride Solutions Inc, Walmart, Natalie's, Bar CLIF, Clow Chiropractic, B&B Ice, Inc, New Balance, Starbucks, Planet Smoothie, United Rentals, 95 Rock, Nash FM102.7, Sports Radio 1560am, Virtual Strides, WA1A 107.1FM, Waste Management, WFIT 89.5FM, and SCR Runners of the Year Series.

A breakdown of race participants by gender and age group is included in the following tables.

Gender	Runners	Percent
Male	711	32%
Female	1521	68%
Total	2232	100%

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Age Groups				
Age Group	Male	Female	Total	Percent
8 and under	29	33	62	3%
9 - 11	19	35	54	2%
12 - 14	22	30	52	2%
15 - 19	15	40	55	2%
20 - 24	22	71	93	4%
25 - 29	52	106	158	7%
30 - 34	53	137	190	9%
35 - 39	59	147	206	9%
40 - 44	64	156	220	10%
45 - 49	69	193	262	12%
50 - 54	100	188	288	13%
55 - 59	105	203	308	14%
60 - 64	52	120	172	8%
65 - 69	29	36	65	3%
70 - 74	14	13	27	1%
75 and over	7	13	20	1%
Total	711	1521	2232	100%

Vickie Openshaw, Turtle Krawl registration coordinator and STPS Board member, and Jennifer Sandle, Turtle Krawl volunteer coordinator, were co-race directors. An estimate of the Turtle Krawl-related volunteer hours follows:

Turtle Krawl 5K Run/Walk Activity	Estimated Volunteer Hours
Planning and Preparation	700
Sponsor Acquisition	500
Promotion	100
Race Day	250
2016 – Turtle Krawl Total Estimated Volunteer Hours	1550
2016 Value of Volunteer Hours \$22.08 x 1550 hrs = \$34,224.00	

8. STPS Memberships

STPS awarded the title of Honorary Life President to Peter Albert Bandre because he is the founding member of the STPS. He is entitled to all the privileges of membership.

Membership is open to those who have a sincere interest in supporting the mission of the STPS.

In 2016, our membership increased by 109. Sixteen of these were from online Turtle Krawl registrations. Our current members come from 36 different states, Canada and Great Britain. In 2015, the Board of Directors established a policy that all active volunteers must be members in good standing to participate in all STPS programs except beach cleanups and the Turtle Krawl 5K Run/Walk.

In 2016, we continued the use of the online-based membership management system (MMS), which continues to assist us in streamlining many aspects of our organization.

The MMS continues to provide a superior method for logging in new memberships and monitoring existing memberships for pending renewals. STPS members can securely update their own contact information. Easy to use tools allow for online access to their profile as well as register for volunteer and training opportunities and sponsored events. STPS Education uses the contact and membership profiles to log and track interests specified on volunteer applications and training completed by members.

Of all of the features of the MMS, the automatic Renewal Reminder email continues to be one of the most valuable. One month prior and then one week prior (if applicable) to the renewal date, an automated email is sent to the member along with a hyperlink for convenient online renewal.

The following table shows the 2016 end of year numbers for each of the membership levels.

STPS 2016 Membership

MEMBERSHIP LEVEL	ACTIVE
Student	30
Individual	365
Family	149
Contributor	22
Lifetime	177
Endowment	4
Benefactor	27
Total Members	774

2016 Membership Management Volunteer Hours	300
2016 Value Volunteer Hours $\$22.08 \times 300 \text{ hrs}$ =	\$6,624.00

9. Total Estimated Volunteer Hours

For 2016, STPS Volunteers have donated more than eighteen thousand volunteer hours to the organization and the Brevard County community. Given the numerous activities and our many volunteers that support the organization it is difficult to keep track of all of the actual time worked. Consequently the following data is based on our records from actual events (such as; school presentations, stranding, beach clean-up, night walks, nest surveys, etc.), plus estimates from the various directors and supporting volunteers of their time spend on a variety of activities necessary to keep the organization running. Total volunteer hours were up this year with significant increases in the STERP activities (due to Hurricane Mathew) and the reactivation of the Nest Surveys covering two miles of beach.

Using these estimates and the 2015 Independent Sector Annual Conference estimated dollar value for volunteer time in Florida (\$22.08 per hour), STPS contributed approximately \$402,982 to the Brevard County community with our volunteer activities. (See the web site for the 2015 Independent Sector Annual Conference; http://independentsector.org/Volunteer_time for details on how this estimate of volunteer hours is derived.)

Document Section	Activity	Estimated Volunteer
-	Board of Directors Meetings	215
-	Financial Management	700
1.3	Turtle House Office Support (Vol Staff, Store Committee, World Sea Turtle Day, Walk Reg)	703
3.x	Education (Includes One In 1000 Project, Presentations and Displays, Adoptions, Attention Boaters, and Lights Out)	1361
3.2	Turtle Watch/ Walks	1528
4.1	Stranding Activities	4215
4.2	STERP Activities	3011
5.0	Nest Surveys	1274
6.2	Communications (Includes Facebook, Newsletter, Public Relations & Website)	750
6.3	Beach Cleanup	1780
7.0	Turtle Krawl 5K Run/Walk	1550
8.0	Membership Management (Members Database, Monthly Meetings, Volunteer Coordinator, Web-Master)	1164
2016 TOTAL ESTIMATED VOLUNTEER HOURS		18251
2016 Value of Volunteer Hours \$22.08 x 18,251 hrs = \$402,982		

The following table illustrates the annual change in STPS volunteer participation.

Year	Estimated Volunteer Hours	Annual Percent Change	Year	Estimated Volunteer Hours	Annual Percent Change
2010	11127	-	2015	15086	+24%
2011	11707	+5%	2016	18251	+21%
2012	12947	+10%	2017		
2013	15180	+17%	2018		
2014	12177	-20%	2019		

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THIS PAGE IS FOR TRACKING DETAIL OF HOURS**

Section	Activity	Estimated Hours Volunteer
	Board of Directors Meetings Section Vickie O. Email ???(215)	215
	Financial Management ?????	700
1.3	Turtle House Office Support-Section 1.3	703
3.x	Education (Includes: One In 1000 Project-3.1(415) / Presentations and Displays-Section 3.2(629)/ Adoptions-Section 3.4(70)/ Attention Boaters-Section3.5(137)/ Lights Out-Section-Section 3.6(110)	1361
3.2	Turtle Watch/ Walks-Section 3.2	1528
4.1	Stranding Activities-Section 4.1	4215
4.2	STERP Activities-Section 4.2	3011
5.0	Nest Surveys –Section 5.0	1274
6.2	Communications Section 6.2 (Includes: Facebook, Newsletter, Public Relations & Website) (750) ??? same as previous years	750
6.3	Beach Cleanup - Section 6.3	1780
7.0	Turtle Krawl 5K Run/Walk- Section 7.0	1550
8.0	Membership Management (Includes:Members Database- Section 8.0(300)/ Monthly Meetings-Vickie O email (720)/ Vol Coordinator- Nini C email (52)/ WebMaster-Nini C email(52+40)	1164
2016 TOTAL ESTIMATED VOLUNTEER HOURS		18251