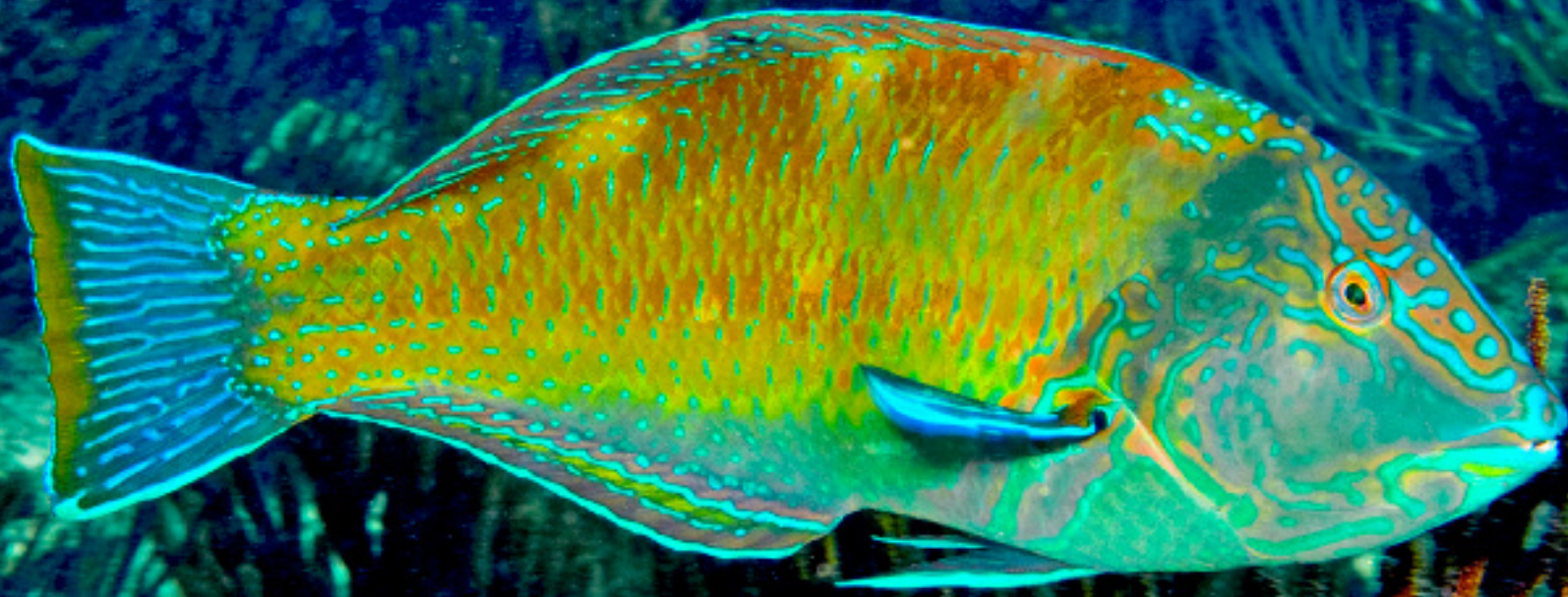




**Our Mission:** Reef Environmental Education Foundation (REEF) conserves marine ecosystems for their recreational, commercial, and intrinsic value by educating, enlisting, and enabling divers and other marine enthusiasts to become active stewards and citizen scientists. REEF links the diving community with scientists, resource managers, and conservationists through marine life data collection and related activities.



# 2012

## ANNUAL REPORT

## BOARD OF TRUSTEES

Paul Humann, President  
Ned DeLoach  
James Dalle Pазze, Esq.  
Alexander Alexiou  
Andy Dehart  
Anna DeLoach

Harris Friedberg  
Peter Hughes  
Mary McCombie  
Robert Ramin  
Marty Snyderman  
Dr. Jim Bohnsack, Science Liaison  
NOAA SE Fisheries Science Center

## STAFF

Lad Akins, Director of Special Projects, Lad@REEF.org  
Jane Bixby, Store Manager, Jane@REEF.org  
Keri Kenning, Communications and Affiliate Program Manager, Keri@REEF.org  
Martha Klitzkie, General Manager, Martha@REEF.org  
Janna Nichols, Outreach Coordinator, Janna@REEF.org  
Sasha Medlen, Membership and Development Coordinator, Sasha@REEF.org  
Dr. Christy Pattengill-Semmens, Director of Science, Christy@REEF.org

## ADVISORY PANEL

Billy Causey, National Marine Sanctuaries  
Dr. Ken Deaver, Ethnoscience, LLP  
Kalli de Meyer, Dutch Caribbean Nature Alliance  
Stephen Frink, Stephen Frink Photographic  
Prof. Robert Ginsburg, University of Miami  
Dr. Steven Gittings, National Marine Sanctuaries  
Wolcott Henry, Curtis & Edith Munson Foundation  
William Horn, Florida Fish & Wildlife Conservation Commission  
Dr. Tom Isgar, Wild Images Photography  
Ken Marks, Bits and Pisces Consulting  
Chris Ostrom, National Marine Sanctuaries  
Dr. Emily Schmitt-Lavin, Nova University  
Dr. Edwin Steiner, Mo'Alem, Inc.  
Dr. Kathleen Sullivan Sealey, University of Miami  
Anne Walton, NOAA International Marine Protected Areas  
Deena Wells-Reppen, Florida Association of Counties

## CONTACT REEF

REEF Headquarters  
P.O. Box 370246 | 98300 Overseas Hwy  
Key Largo, FL 33037  
305-852-0030 | 305-852-0301 (fax) | [www.REEF.org](http://www.REEF.org) | [reefhq@REEF.org](mailto:reefhq@REEF.org)



The faces of REEF are as diverse as the fish in the sea. REEF depends on volunteers to drive our marine conservation programs. With the help of our volunteers, REEF is able to provide fish population data to policymakers and researchers, contribute to protections for iconic fish like Nassau Grouper, rockfish species, and Goliath Grouper, launch control programs for invasive species like lionfish, and educate the public about marine conservation issues.



## MEMBERSHIP OVERVIEW

Members are the key to REEF's success! Signing up as a member is free and can be done easily online at [www.REEF.org](http://www.REEF.org).

In 2012, REEF welcomed 3,604 new members, bringing the total number of REEF members to 49,418. In June of 2012, REEF assigned the member number 50,000\* to lucky Angell L. from Montreal, Canada.

\*REEF's assigned member numbers are higher than the actual number of members due to removed duplications.

## VOLUNTEER OF THE YEAR

At our recent Sustainer Event, REEF announced Jonathan Lavan as our Volunteer of the Year for 2012. Since 2004, Jonathan has logged 324 REEF fish surveys in five of REEF's six geographical regions. He is also a member of REEF's Advanced Assessment Teams for both the Tropical Western Atlantic and Pacific Coast survey regions and serves as an administrator for REEF's experience level tests.

Jonathan has been instrumental in spreading the word about REEF and its programs. In 2012, he helped to expand the Volunteer Fish Survey project by instructing for REEF's online webinars, called Fishinars. His background in theater, sense of humor, and teaching style quickly made his Fishinars popular with both new and experienced fishwatchers.

Jonathan actively seeks opportunities to educate others about marine life, conservation, and REEF. He is often a guest speaker at dive clubs and shows, and especially enjoys educating youth. An avid underwater photographer, Jonathan uses his images gathered over the past 10 years to educate others about marine life, and many of his photos appear in art shows as well as online resources. We are so grateful to have a wonderful volunteer who contributes to REEF in so many ways. Thank you, Jonathan!

Not only do our volunteers make a real difference in ocean conservation, but they also have a whole lot of fun doing it! Here are some things they have to say about REEF:

"I started doing fish surveys for REEF in 2002. Now every dive is a challenge. There hasn't been a dull moment since." *Janet Eyre*

"The fun and friendships are great, and the REEF surveys are so valuable to scientists, students, and other avid fish folks." *Flo Bahr*

"My favorite part about being a REEF member is the camaraderie that comes from being among my fellow fish geeks." *Jonathan Lavan*

"For me, jumping in the ocean with a slate is the ultimate, there is just nothing better." *Doug Harder*

"The divers were fun, the water was amazing, and learning which fish we were looking at was exciting." *Georgia Arrow*



# THE FACES OF REEF

REEF's Volunteer Fish Survey Project enables divers and snorkelers to report fish sightings and other data. Since the program's inception in 1993, REEF has trained and involved over 16,000 divers and snorkelers in marine life identification and the collection of fish population and distribution data. Through this citizen science program, REEF volunteers have generated one of the largest marine life databases in the world. Today, they conduct surveys throughout the coastal waters of North and Central America, the Caribbean, Hawaii, and the South Pacific.

REEF Survey Project Regions



- Tropical Western Atlantic
- Northeast US and Canada
- Hawaiian Islands
- Tropical Eastern Pacific
- Pacific US & Canada
- South Pacific

## SURVEY SUMMARY

During the year, 866 volunteers conducted 10,411 REEF surveys at 2,368 sites throughout the project regions. By the end of 2012, the REEF database contained 164,387 surveys.

## ADVANCED ASSESSMENT TEAM (AAT) AND SPECIAL PROJECTS

In 2012, REEF welcomed 20 new members into the AAT. This elite group of 371 REEF Surveyors contributes expert-level survey data and has opportunities to participate in special survey projects. Collectively, the AAT has conducted 63,238 surveys throughout REEF's project regions.

Members of the AAT assisted REEF with several projects in 2012, including the fourth year of the *Vandenberg* Artificial Reef Project in Key West, Florida, as well as the tenth year of monitoring fish and invertebrate populations at two US National Marine Sanctuaries (NMS): the Monterey Bay NMS in California and the Olympic Coast NMS in Washington.

## GREAT ANNUAL FISH COUNT

In 2012, we celebrated the Great Annual Fish Count (GAFC)'s twenty-first year. REEF coordinates this annual event each July to mobilize and train volunteers to identify and document fish diversity and population trends. Dozens of GAFC events were held across all REEF regions, including free identification seminars and organized survey dives. The largest GAFC event continued to be a week-long survey blitz throughout the US Northeast.

► [www.REEF.org/programs/volunteersurvey](http://www.REEF.org/programs/volunteersurvey)

## DATA USE AND PUBLICATIONS

REEF's Volunteer Survey Project generates valuable data on ocean populations, while expanding scientific awareness among its participants. The extensive REEF data set is an important source of information for documenting changes in populations and community structure as well as cataloging biological diversity. REEF provides data to many scientists and researchers from academic institutions and resource management agencies each year. In 2012, REEF fulfilled 17 requests for data files, from scientists at institutions such as NOAA, University of Miami, Newcastle Upon Tyne University, the Pew Environment Group, Washington Department of Fish Wildlife, and Florida Fish and Wildlife.

In 2012, researchers published the following articles based on REEF data and projects:

Archer SK, SA Heppell, BX Semmens, CV Pattengill-Semmens, PG Bush, CM McCoy, BC Johnson. 2012. Patterns of color phase indicate spawn timing at a Nassau grouper *Epinephelus striatus* spawning aggregation. *Current Zoology*. 58 (1): 73-83

Burge EJ, JD Atack, C Andrews, BM Binder, ZD Hart, AC Wood, E Bohrer, and K Jagannathan. 2012. Underwater Video Monitoring of Groupers and the Associated Hard-Bottom Reef Fish Assemblage of North Carolina. *Bulletin of Marine Science*. 8(1): 15-38

Green SJ, Akins JL, Maljković A, Côté IM. 2012. Invasive Lionfish Drive Atlantic Coral Reef Fish Declines. *PLoS ONE*. 7(3): e32596. doi:10.1371/journal.pone.0032596

Green, SJ, N Tamburello, SE Miller, JL Akins, IM Cote. 2012. Habitat complexity and fish size affect the detection of Indo-Pacific lionfish on invaded coral reefs. *Coral Reefs*. 19 December 2012

Heppell SA, BX Semmens, SK Archer, CV Pattengill-Semmens, PG Bush, CM McCoy, SS Heppell, BC Johnson. 2012. Documenting recovery of a spawning aggregation through size frequency analysis from underwater laser calipers measurements. *Biological Conservation*. 155: 119-127

Jackson, AM, BX Semmens, and G Bernardi. 2012. Characterization and cross-species amplification of microsatellite markers in Nassau grouper (*Epinephelus striatus*). *Molecular Ecology Resources*. 12(5): 972- 974

Morris, Jr., JA (ed). 2012. Invasive Lionfish: A Guide to Control and Management. Gulf and Caribbean Fisheries Institute Special Publication. Series 1, 113 pp

Ruttenberg BI, PJ Schofield, JL Akins, A Acosta, MW Feeley, J Blondeau, SG Smith, and JS Ault. 2012. Rapid invasion of Indo-Pacific lionfishes (*Pterois volitans* and *Pterois miles*) in the Florida Keys, USA: evidence from multiple pre- and post-invasion data sets. *Bulletin of Marine Science*. 88(4):1051-1059

Victor BC. 2012. *Hypoplectrus floridae* n. sp. and *Hypoplectrus ecosur* n. sp., two new Barred Hamlets from the Gulf of Mexico (Pisces: Serranidae): more than 3% different in COI mtDNA sequence from the Caribbean *Hypoplectrus* species flock. *Journal of the Ocean Science Foundation*. 5: 1-19

Wuenschel, MJ, JA Hare, ME Kimball, KW Able. 2012. Evaluating juvenile thermal tolerance as a -constraint on adult range of gray snapper (*Lutjanus griseus*): A combined laboratory, field and modeling approach. *Journal of Experimental Marine Biology and Ecology*. 436-437 (2012): 19-27

# VOLUNTEER SURVEY PROJECT

REEF's Invasive Lionfish Program continues to lead the way in developing and implementing research initiatives, response strategies, outreach and awareness, and control programs throughout the region. Invasive lionfish, native to the Indo-Pacific and Red Sea, are severely impacting western Atlantic, Caribbean, and Gulf of Mexico marine ecosystems. Though populations continue to increase throughout the region, the good news is that continued removal efforts are successfully reducing local populations and minimizing impacts.

Highlights of REEF's lionfish work in 2012 included:

- Continuing research on lionfish removal success, trapping, movement, and impacts as well as facilitating the research of others through training and consultation;
- Conducting regional training workshops for Caribbean resource managers;
- Translating the best practices guide, "Invasive Lionfish: A Guide to Control and Management," into Spanish;
- Helping manage and support a full-time lionfish research and education program manager position in partnership with the Cape Eleuthera Institute;
- Co-organizing and hosting the fifth annual lionfish session at the Gulf and Caribbean Fisheries Institute conference in Colombia;
- Continuing to partner with the University of Miami on groundbreaking research on lionfish by-catch in the lobster fishery;
- Removing 2,694 lionfish through derbies, which REEF expanded to the Florida Keys, Bahamas, and Southeast Florida;
- Authoring research papers on lionfish detection, impacts, and dissection methods;
- Serving on the Gulf and South Atlantic Regional Panel on Aquatic Invasive Species;
- Conducting bimonthly lionfish collecting, handling, and permitting workshops in South Florida;
- Working with international organizations and agencies on development of a Regional Lionfish Response Plan;
- Advising the Federal Aquatic Nuisance Species Task Force on development of the US National Lionfish Response Plan; and
- Featuring the lionfish issue in major media, including print, news and social media.

REEF has focused on lionfish control and researching new ways to address the invasion. Our partnerships with NOAA, US Geological Survey (USGS), the International Coral Reef Initiative, Gulf and Caribbean Fisheries Institute, the Dive Equipment and Marketing Association, universities, dive clubs, and other local groups have provided significant resources towards furthering our understanding of the invasion and how best to minimize lionfish impacts.

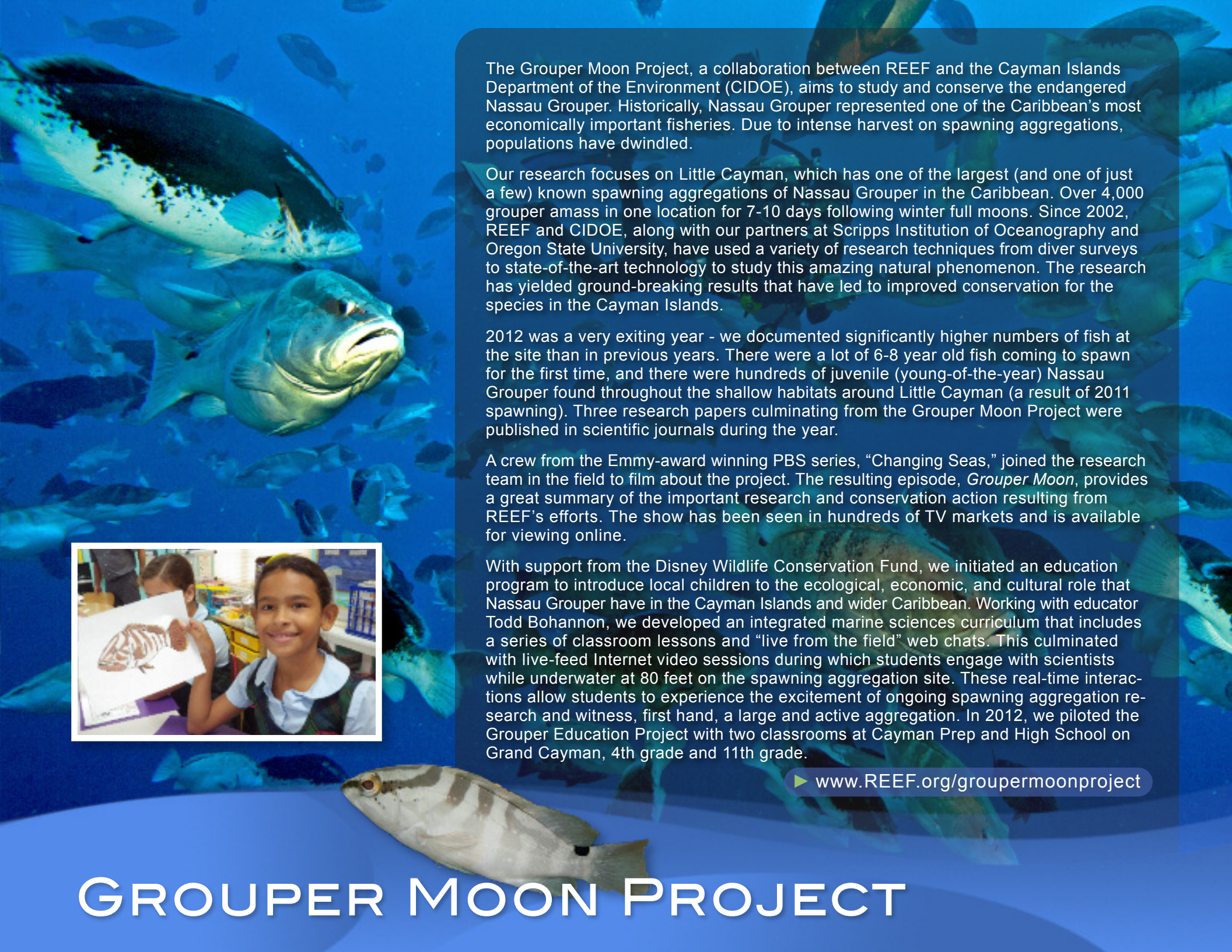
► [www.REEF.org/lionfish](http://www.REEF.org/lionfish)

## Strategies and Practices for Invasive Lionfish Control

A guide for managers



# LIONFISH PROJECT



The Grouper Moon Project, a collaboration between REEF and the Cayman Islands Department of the Environment (CIDOE), aims to study and conserve the endangered Nassau Grouper. Historically, Nassau Grouper represented one of the Caribbean's most economically important fisheries. Due to intense harvest on spawning aggregations, populations have dwindled.

Our research focuses on Little Cayman, which has one of the largest (and one of just a few) known spawning aggregations of Nassau Grouper in the Caribbean. Over 4,000 grouper amass in one location for 7-10 days following winter full moons. Since 2002, REEF and CIDOE, along with our partners at Scripps Institution of Oceanography and Oregon State University, have used a variety of research techniques from diver surveys to state-of-the-art technology to study this amazing natural phenomenon. The research has yielded ground-breaking results that have led to improved conservation for the species in the Cayman Islands.

2012 was a very exciting year - we documented significantly higher numbers of fish at the site than in previous years. There were a lot of 6-8 year old fish coming to spawn for the first time, and there were hundreds of juvenile (young-of-the-year) Nassau Grouper found throughout the shallow habitats around Little Cayman (a result of 2011 spawning). Three research papers culminating from the Grouper Moon Project were published in scientific journals during the year.

A crew from the Emmy-award winning PBS series, "Changing Seas," joined the research team in the field to film about the project. The resulting episode, *Grouper Moon*, provides a great summary of the important research and conservation action resulting from REEF's efforts. The show has been seen in hundreds of TV markets and is available for viewing online.

With support from the Disney Wildlife Conservation Fund, we initiated an education program to introduce local children to the ecological, economic, and cultural role that Nassau Grouper have in the Cayman Islands and wider Caribbean. Working with educator Todd Bohannon, we developed an integrated marine sciences curriculum that includes a series of classroom lessons and "live from the field" web chats. This culminated with live-feed Internet video sessions during which students engage with scientists while underwater at 80 feet on the spawning aggregation site. These real-time interactions allow students to experience the excitement of ongoing spawning aggregation research and witness, first hand, a large and active aggregation. In 2012, we piloted the Grouper Education Project with two classrooms at Cayman Prep and High School on Grand Cayman, 4th grade and 11th grade.

► [www.REEF.org/groupermoonproject](http://www.REEF.org/groupermoonproject)



# GROUPEER MOON PROJECT



## FISHINARS

REEF continued to expand our online Fishinar program in 2012, with 35 exciting sessions that REEF members attended from their own homes. Sessions are recorded so members not in attendance are able to view them later at their convenience. Many were fish ID topics, focusing on particular families, such as parrotfish, damsels, wrasses, gobies, groupers, grunts, and more. Others focused on the most common fish seen in a particular region, such as Hawaii, the Sea of Cortez, the Northeast US & Canada, California, and the Pacific NW. REEF members were also treated with special sessions about topics ranging from lionfish to fish spawning, to fish spawning, to blennies with "BlennyWatcher" founder Anna DeLoach, and sculpins with noted expert Dr. Greg Jensen.

REEF introduced Fishinars as our own style of webinar in 2011 in order to spread our marine conservation programs and fish identification training to a world-wide audience. Marine life ID classes help new surveyors learn fish identification and keep experienced surveyors' skills fresh. These short, interactive, and fun online webinars have developed quite a following, and are offered free to REEF members. ► [www.REEF.org/fishinars](http://www.REEF.org/fishinars)



### SOCIAL MEDIA

REEF has established an active online presence on Facebook as a method to engage, educate, and involve our REEF members, as well as recruit new members. Please join us! ► [www.facebook.com/pages/REEF-Reef-Environmental-Education-Foundation](http://www.facebook.com/pages/REEF-Reef-Environmental-Education-Foundation)

► [www.facebook.com/REEFLionfish](http://www.facebook.com/REEFLionfish)



### FIELD STATIONS

41 new Field Stations signed up to act as local representatives and promote REEF in their area in 2012. Each Field Station serves as an active center of outreach and education for our organization. Many offer REEF Fish Identification Courses, organize survey dives, and may sell underwater paper, slates, and related fishwatching materials. ► [www.REEF.org/resources/fieldstations](http://www.REEF.org/resources/fieldstations)



### INTERNSHIP PROGRAM

In 2012, REEF's Marine Conservation Internship program hosted twelve young adults from across the country. Thanks to support from our members, we expanded the internship program and doubled the number of positions. These enthusiastic young professionals each spent four months at REEF gaining critical career skills while providing REEF with invaluable program support. Interns gain first-hand experience in non-profit operations and management of marine conservation programs. They also conduct valuable field work, manage research data, and network with other professionals. ► [www.reef.org/about/internships/application](http://www.reef.org/about/internships/application)

# EDUCATION & OUTREACH

## DIVE SHOWS

REEF was present at numerous dive shows throughout the US in 2012. On the West Coast, we attended DEMA in Las Vegas, the Long Beach (California) Scuba Show, the Tacoma (Washington) Dive Expo, and the Santa Clara (California) Dive Expo. Elsewhere, we attended Beneath the Sea Beneath the Sea (New Jersey) and Our World Underwater (Chicago).

These trade shows are an excellent way for REEF to strengthen ties with existing members, network with existing and prospective Field Stations, show off new products in the REEF store, give volunteers an opportunity to rub elbows with other REEF enthusiasts and staff, communicate REEF's mission and programs, and grow our membership base.

## REEF IN THE CLASSROOM

Several high schools, scouting groups, and colleges use the Volunteer Fish Survey Project to provide students a firsthand experience on how to conduct fish surveys and analyze their results. In 2012, teachers from Hawaii, Ohio, Florida, California, and Kentucky incorporated REEF into their classroom and field programs.

## FISH & FRIENDS

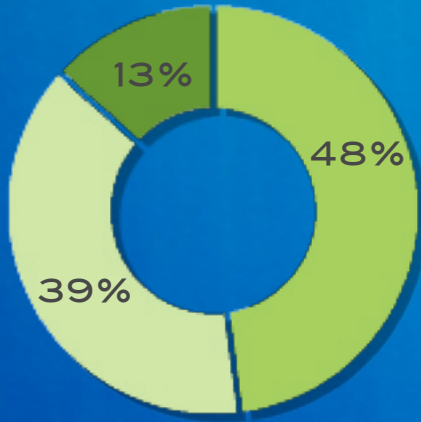
This social event attracts a standing room only crowd every month at REEF Headquarters for engaging marine science seminars, which covers a wide range of ocean conservation issues. Join us the 2nd Tuesday of every month.



# EDUCATION AND OUTREACH

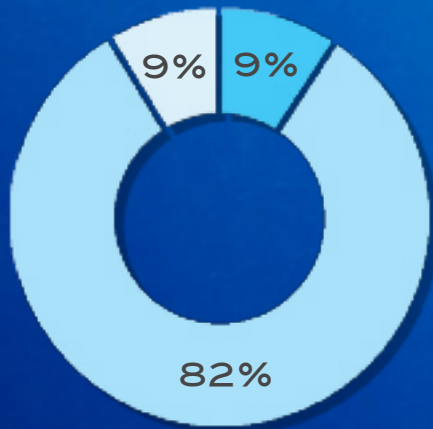


REEF's ability to fulfill our mission, conserve marine environments, and provide meaningful programs is dependent on strong financial operations. This requires focused, strategic financial management centered on our core values. We strive to run a lean and efficient operation—keeping overhead expenses low and allocating funds directly to quality programs and research.



### INCOME:

- \$244,903 - Individual Contributions
- \$197,493 - Grants, Contracts, & Program Revenue
- \$ 68,766 - Merchandise
- \$511,162 - Total Income



### EXPENSES:

- \$408,577 - Programs
- \$ 46,063 - Fundraising
- \$ 43,345 - Administrative
- \$497,985 - Total Expenses

# FINANCIALS

Complete and professionally prepared financial statements will be available by August 1, 2013

Reflecting on our successes in 2012, we are inspired and excited to look forward. In 2013, we will celebrate the 20th anniversary of the Volunteer Survey Project. We will continue to have a positive impact on the environment through the expansion of our marine conservation and education programs. REEF is working diligently to protect marine environments and fulfill our mission by:

### **CONDUCTING GROUND-BREAKING RESEARCH**

We plan to: Assess deepwater populations, evaluate target density thresholds, develop diver training tools and determine removal effectiveness to minimize the impact of non-native lionfish on western Atlantic ecosystems; use state-of-the-art genetics techniques to help protect the endangered Nassau Grouper, and provide access to the world's largest marine fish database.

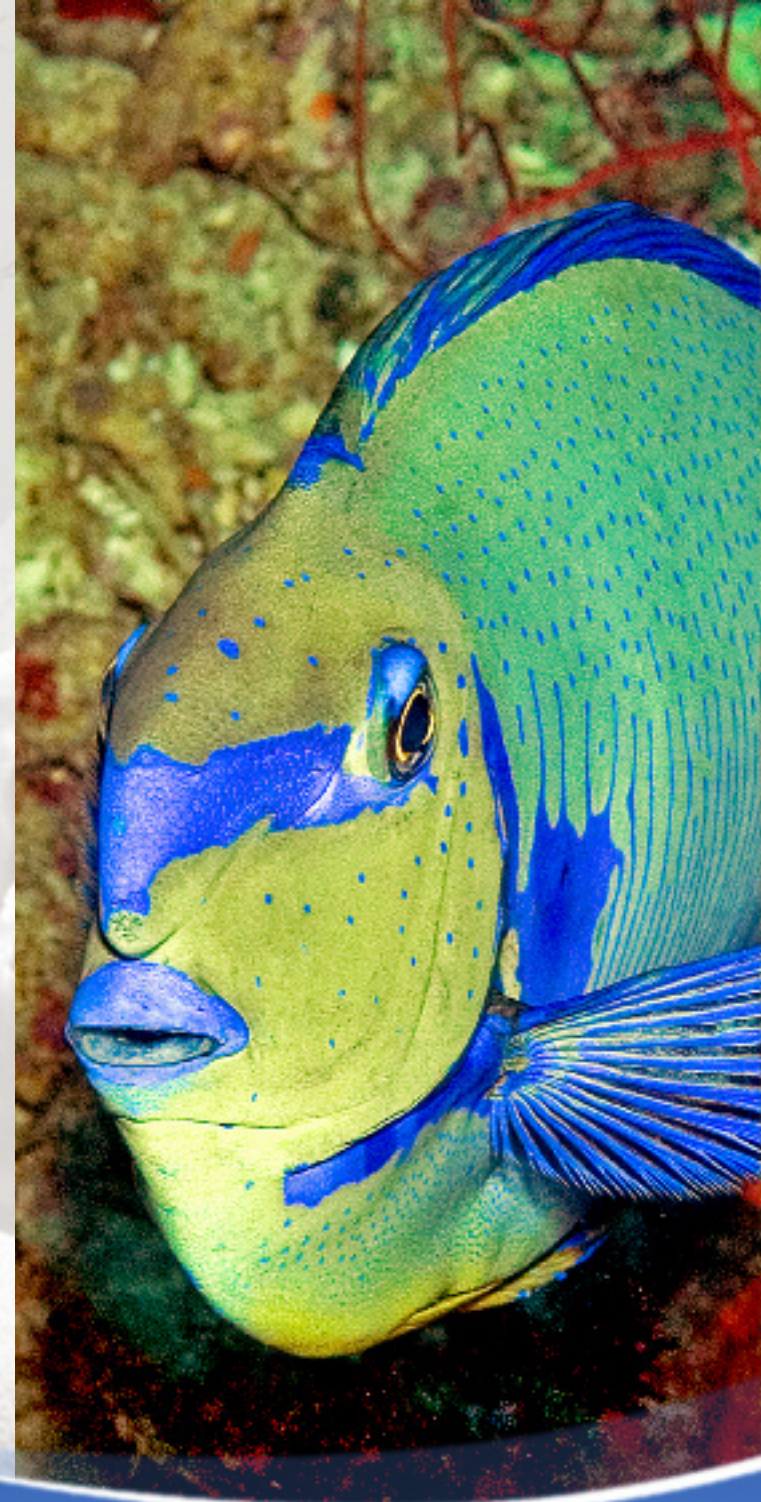
### **DIVERSIFYING EDUCATION AND OUTREACH PROGRAMS**

We plan to: expand the popular Fishinar series, introduce the Grouper Education Program to more schools in the Cayman Islands and throughout the Caribbean, and grow the Marine Conservation Internship Program.

### **ENHANCING OUR INNOVATIVE CITIZEN SCIENCE PROGRAMS**

We plan to: continue to expand the Volunteer Survey Project into the west Pacific, capitalize on technologies to improve data submission and visualization, and improve the volunteer experience.

REEF members are essential in achieving the accomplishments listed throughout this report and help drive our future endeavors. With their support, we look forward to reaching many more important milestones in 2013 as we continue to fulfill our mission through marine conservation programs.



# LOOKING FORWARD

## Benefactors: \$2,500+

Peter Fox and Sheryl Shea  
Terry and Pam Hillegas  
Paul Humann  
Jim and Judy Kewley  
Murray and Jeanie Kilgour  
Greg and Liz Sparks  
Edwin Steiner  
John and Bonnie Strand  
Helen Truax

## Sustainers: \$1,000-\$2,499

Anonymous Donor  
Thomas Anderson  
Martha Austin and Capt Alan Wilson  
Philip Balbi  
Martha Barrow  
Mark and Penny Boehm  
Mary and Brad Brown  
Janet and Doug Camp  
Barbara Chu  
Mindy Cooper-Smith  
Seth and Diane Davidson  
Helen Davies  
Ned and Anna DeLoach  
Steve and Mary Dingeldein  
Neil Ericsson and Karen Florini  
Hans Frei  
Joe Glaser  
Barbara Goldstein  
Roger and Patricia Grimes  
Chatten Hayes  
Dean Howard  
Kathleen Kingston and Scott Kisting  
Jose and Barbara Kirchner  
Linda and Lester Knutsen  
Mel McCombie and Harris Friedberg  
John McGurl and Michelle Gluck  
Brian Miller  
Franklin and Cassandra Neal  
Jeffrey Nehms  
Judith Neubauer  
David and Patricia Orr  
Ole and Sheila Peloso  
Dan and Linnea Poretti  
Robert Ramin  
Patricia Richardson  
Carlos Rives  
Linda Schillinger  
Kevin Schofield  
Kenneth Sigel and Erin Larson  
Anne and Bart Walton  
Peter and Sandra Welles  
Jeff Yonover

## Supporters: \$500-\$999

Anonymous  
Patrick Barnett  
Clay Biberdorf  
Suzanne Brooks  
Amy and Nathan Brown  
Rich and Kathy Bruch  
Rachel Capoccia  
Laura Cullenward  
Kris Dafour  
Claire Davies  
Andy and Jessica Dehart  
Kathryn Doane  
Fred Drennan  
Lauren Dummer  
Donn Ellerbrock  
Wydell Feazell  
Cynthia Flynn and Deirdre Boyle  
Deborah Fulton  
Rick and Kim Gates  
Heather George and Scott Valor  
Tom Gromling  
Craig and Susan Grube  
Jill Haley  
Wolcott Henry  
Debbie Hebblewhite  
Norbert and April Hoeller  
Tom Isgar  
Hideko Kawabata  
Richard Kornfeld  
Pat and James Lommel  
Jeanne Luce  
Jason Lynn  
Adrian Mason  
Kevin and Minnie McCluskey  
Gordon and Meridyth McIntosh  
Doug Miller  
Carol Lorenz and David Preston  
Neal and Cathy Rakov  
Susan Riegner  
Pamela and Ken Roberts  
David Rosen  
Julie Rosenfeld  
Richard Setterberg  
Peter Shankel  
Mike Snow  
Joe Thomas  
Matthew and Mary Weber  
Billie Wolff  
Stuart Wunsh MD

## In-Kind Support

Keith and Linda Beaty  
Jonathan Bird  
Todd Bohannon  
Brac Reef Resort  
Brendal's Dive Center  
Coconuts Restaurant and Club  
Conch Republic Divers  
Divers Alert Network  
Peter Hillenbrand  
Horizon Divers  
Joanne Kidd Designs  
Bobbie Lindsay and Doug Buck  
Keys Diver  
LIME Cayman Islands  
Chris MacGregor  
Islamorada Dive Center  
Ocean Divers

Thank you to all the photographers who donated pictures in 2012!

## Foundations, Agencies, and Other Partners

Anonymous Foundation  
15th Street Fisheries, Inc.  
Bahamas' Department of Tourism  
Brown's Distributing  
The Cape Eleuthera Institute  
Caradonna Worldwide Dive Adventures  
The Carrow Foundation  
Diver's Direct  
The Donaldson Charitable Trust  
Faculty Student Association - JCC GBAAZK  
The Henry Foundation  
Herdeg, du Pont & Dalle Pазze, LLP  
Houston Underwater Club  
The Korein Foundation  
The Meyer Foundation  
New Mexico BioPark Society  
New World Publications  
Florida Coastal Partnership Initiative  
Mote Marine Laboratory Protect Our Reefs  
Cayman Islands Department of the Environment  
Florida Department of Environmental Protection  
Robert J. and Helen H. Glaser Family Foundation  
Miami-Dade County Florida SeaGrant Extension Program  
Lenfest Ocean Program of the Pew Charitable Trusts  
NOAA Center for Coastal Fisheries and Habitat Research  
Sanctuary Friends Foundation of the Florida Keys  
NOAA Aquatic Invasive Species Program  
The Maryland Zoo in Baltimore  
The National Aquarium  
NOAA Coral Reef Conservation Program  
NOAA National Marine Sanctuaries  
The Ocean Reef Conservation Association  
Elizabeth Ordway Dunn Foundation  
The Sailfish Marina on Singer Island  
Cayman Prep and High School  
Disney Wildlife Conservation Fund  
The Curtis and Edith Munson Foundation  
The National Fish and Wildlife Foundation  
Sensational Seas Project  
United States Geologic Survey (USGS)  
National Park Service  
The Norcross Wildlife Foundation, Inc.  
The Pelton Charitable Foundation, Inc.  
Spot Bay Primary School, Cayman Brac  
Stand in the Community LLC  
United Divers of Central Mass

# DONORS

Contributions from 1/1/2012 and 3/31/2013

To donate online, please visit [REEF.org/contribute](http://REEF.org/contribute)



## PHOTO CREDITS:

Page 1 - Cover:  
Puddingwife by Ned DeLoach

Page 2:  
Divers by Paul Humann  
Background Scene by Janna Nichols

Page 5:  
Lionfish on Reef by Rich Carey

Page 6:  
Nassau Grouper Aggregation by Paul Humann

Page 8:  
Diver Jumping from Boat by Geri Murphy

Page 9:  
Divers by Carlos Estape

Page 10:  
Bignose Unicornfish by Ned DeLoach

Page 11:  
Squirrelfish by Rich Setterberg

Page 12:  
French Grunts by Rich Setterberg

REEF 2012 Annual Report Designer: Joanne Kidd  
Copyright © 2013 REEF



Now more than ever, REEF needs your financial support to ensure that we are able to continue critical marine conservation programs. Please consider making a donation, using our secure online donation page at <https://www.REEF.org/contribute>, or by calling REEF HQ at 305-852-0030.



P.O. Box 370246 | 98300 Overseas Hwy  
Key Largo, FL 33037  
305-852-0030 | 305-852-0301 (fax)  
[www.REEF.org](http://www.REEF.org) | [reefhq@REEF.org](mailto:reefhq@REEF.org)



Follow Us



Like Us