2016 ANNUAL REPORT



Dr. John Anner

Exploring Coral Reef Beauty

Just off the coast of Cancun is a small, shallow reef protected by a secluded resort shoreline. A rope barrier prevents access from the ocean, and the area is patrolled to ensure no one fishes from the rocky shore. I explored this reef for an entire week, at night, in the morning and afternoon, and not once did I see another diver or snorkeler.

Freediving, I saw majestic eagle rays, shy lobsters, enormous parrotfish, cute little flounders and huge angel and triggerfish. There were thousands upon thousands of schooling snappers that would come from behind and surround me. Black groupers came out from their holes to cleaning stations staffed by bluehead wrasse and barracudas patrolled the perimeters.

Not all reefs have this abundant diversity and life.

Many reefs are not safeguarded by the boundaries of a resort or through Marine Protected and Locally Marine Manage Areas. Most, if not all, are under intense pressure from rising ocean temperatures, overfishing, pollution and wastewater runoff, boat/anchor damage, diving and other human impacts. These global and local pressure combinations are leaving reefs around the world devoid of life.

I am not willing to watch our world's reefs die.

Coral reefs have been around for more than 500 million years, and science shows us that they can adapt to changes in the ocean environment. They have a higher probability of thriving and surviving if we reduce the threats to reefs, globally and locally.

There is so much we can do, not just for the reefs, but for the 500 million people who depend on reefs for food and income. The Coral Reef Alliance works each and every day to save coral reefs. We can't save every reef, but we can take action and support the communities and organizations worldwide working to protect them.

As an avid diver, and as Board Chair, I have a personal commitment to protect these fragile ecosystems, to minimize my ecological footprint and to spread awareness about key coral reef issues.

I invite you to join me in CORAL's mission to save coral reefs.



Dr. John Anner, Board Chair



Using Science to Expand Coral Conservation

This year's annual report displays a beautiful cover image of a healthy reef, taken by Clark Miller in Indonesia. It captures the colors and bustling life that is the hallmark of coral reefs. But what will this coral reef look like in the future? What if the corals are smashed by a ship's anchor or the fish are caught. Maybe the water will become murky, the reefs will be covered by seaweed, or the corals will bleach. Coral reefs around the world are facing these problems, and the situation is getting worse.

Imagine that your job is to solve these problems. How would you save coral reefs?

At CORAL, we ask ourselves this question every day. For an individual reef, we begin by working with the community to diagnose the problem. Then, we collectively work to identify and implement solutions that deliver the greatest results—for the reef and the people who depend on it.

We use the best available science to direct our work and verify that our solutions are effective. For example, have fish populations recovered following changes in fisheries management, has water quality improved

after the installation of a new water treatment facility that prevents sewage from spilling into the oceans? When we find that an innovative approach is working, it can act as a catalyst for other communities that want the benefits of healthy reefs.

CORAL continues to dive deeper into the science of saving coral reefs. We recognize that even the most protected reefs are vulnerable to global threats like climate change. So, we have convened world renowned coral reef scientists to design real-world solutions that will help coral reefs adapt and survive in an ever-changing environment.

Together, we can save coral reefs. The CORAL team and its partners are able to make this mission a reality because of generous donors like you. Thank you for your support and please enjoy our 2016 Annual Report.

Dr. Michael Webster, Executive Director



Saving Corals in an Era of Climate Change

CORAL has designed an innovative conservation blueprint based on cutting-edge science that describes how to promote coral adaptation to rising temperatures. We began this work in the Mesoamerican Region in 2015 with initial funding from the Gordon and Betty Moore Foundation. We are thrilled to share that in 2016, we were awarded an additional \$1M to expand this project to include Fiji and the Lesser Sunda Region of Indonesia. Improve our scientific understanding of how coral reefs adapt to rising temperatures, and use this information to develop regional conservation strategies.

Together with research partners at the University of Washington and Rutgers University, we are building a mathematical reef network. In the model, we simulate the implementation of a Marine Protected Area network, apply a rapid change in temperature and measure how much of the area is covered with coral after temperatures have stabilized at a new, warmer level. We are asking questions like:

Does protecting reefs that are hot now improve regional adaptation? Does focusing on "pristine" reefs help corals deal with climate change? What happens to corals in the future if we protect a network of diverse reefs?

Protecting a diverse portfolio of reef types across large and well connected regions will increase the probability that coral reefs can adapt to climate change.

Main Hawaiian Islands Reefscape

Our Clean Water for Reefs initiatives on Maui and Hawai'i Island improves water quality for reefs and people. To ensure that all aspects of the ahupua'a (watershed) are healthy, we work across the entire watershed-from ridge to reef.

In West Maui, we work with communities to prevent land-based pollution from degrading reefs by restoring the natural filtration processes within the watershed.







Kai–Ocean

Kula–Midslope

Created a Low Impact Design (LID) training program for Maui County employees which resulted in approximately 10 new LID projects, including rain gardens and pervious concrete

LID features

Motivated shoreline property owners to invest \$19M in LID projects between 2011 and 2016

Developed two-pronged stream restoration plan to reduce land-based sources of pollution from reaching reefs:

- Strategically plant vetiver near and along stream banks (long-rooted grass)
- Create and restore lo'i farms (Hawaiian terraced-farming technique)

Created a demonstration project in Wahikuli River with partners that uses vetiver to capture sediments

> Inspired ordinance that requires all new parking lots to incorporate

> > Implemented CORAL's sustainability guide to see 20 properties implement 30 project, 19 of which are LID

Hawai'i Island, Puakō

Our primary focus is a community-driven project that seeks to address wasterwater pollution along the Puako Reef. caused by cesspools and septic tanks.

- Collaboratively designed a science-based monitoring plan that measures the benefits associated with removing wastewater pollution from the nearshore environment
- Identified estimated costs and financing options associated with building a wastewater treatment facility
- · Hosted 33 workshops, talk story and community events

PUAKŌ

Fijian Reefscape

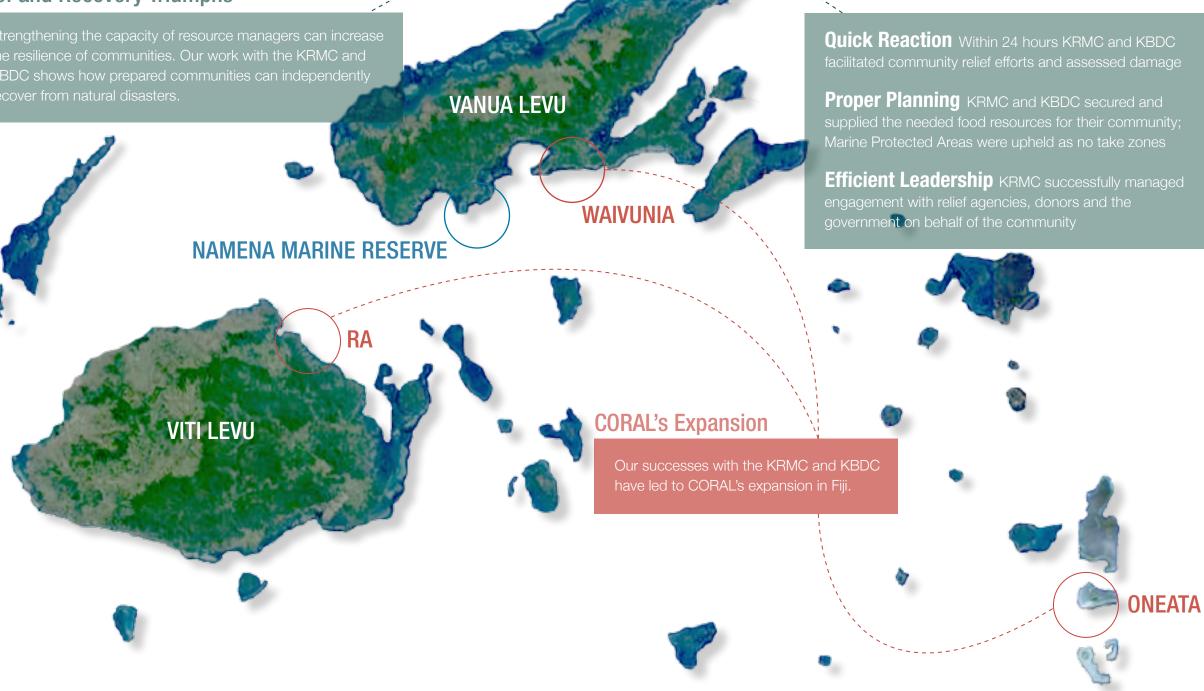
For 15 years, CORAL has worked with Fijian communities to develop and implement durable and sustainable management plans to protect coral reefs. The success of this work was tested in a new way on February 20, 2016, when Fiji was hit by Severe Tropical Cyclone Winston. The destruction on land and to reefs was heartbreaking. However, the community quickly recovered due to selfsustaining entities such as the Kubulau Resource Management Committee (KRMC) and the Kubulau Business Development Committee (KBDC).





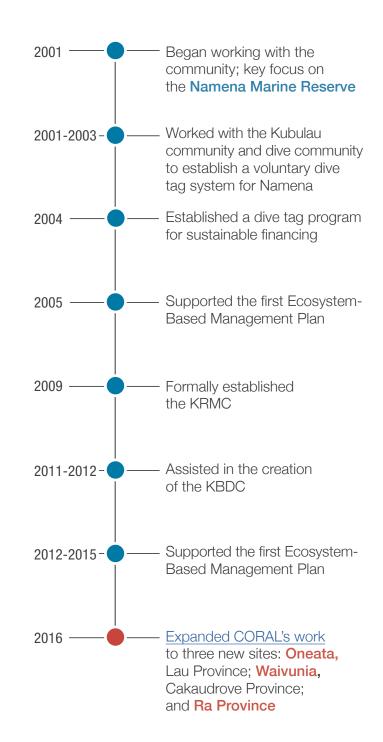
Reef and Recovery Triumphs

KBDC shows how prepared communities can independently recover from natural disasters.



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Path to Sustainability



Mesoamerican Reefscape

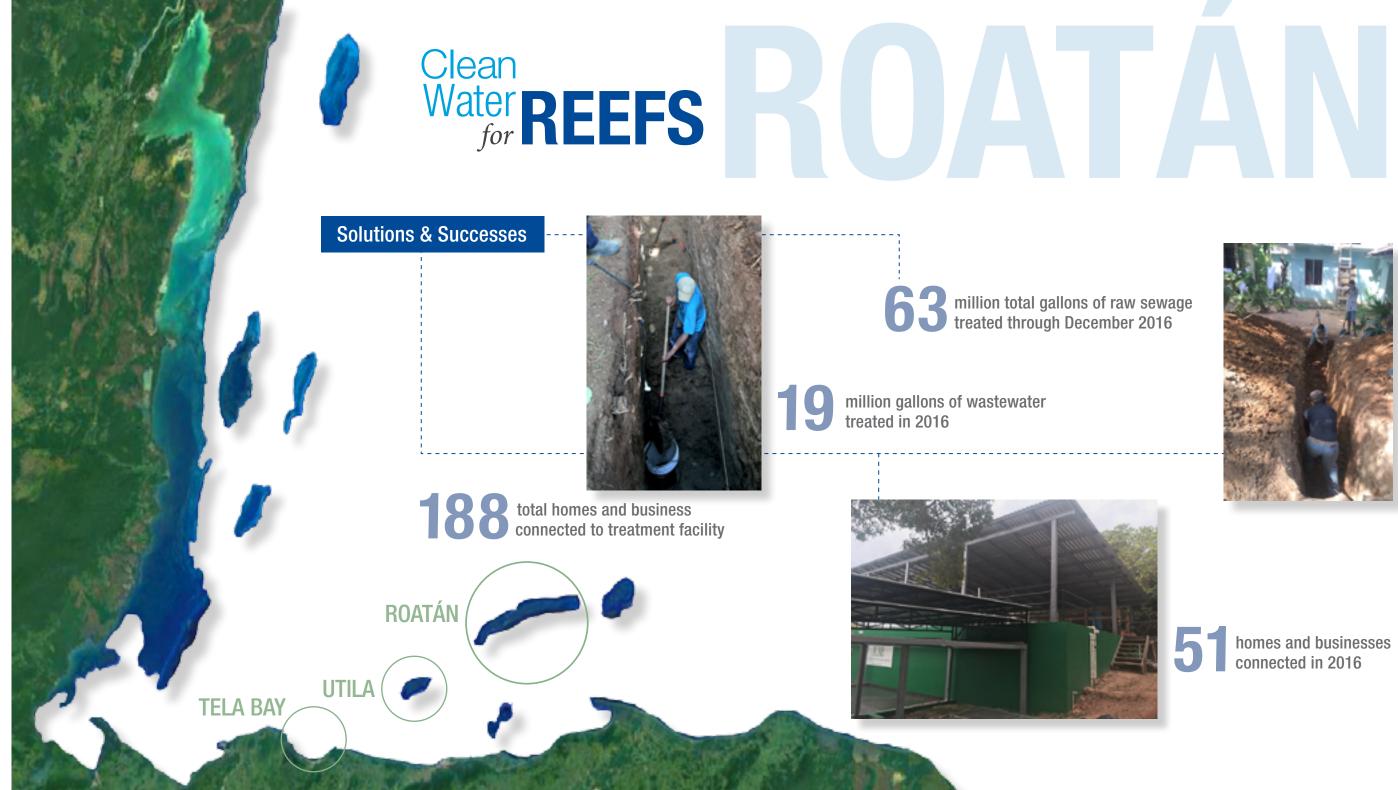
CORAL is working to establish a network of healthy reefs in the Mesoamerican Region. Our field teams in Tela Bay, Utila and Roatán focus on improving water quality and increasing fish biomass.

To accomplish these goals, we unite communities, organizations and governments to design effective and durable reef management systems.

Clean Water for Reefs Roatán

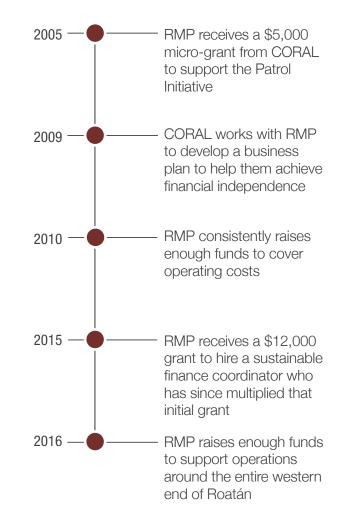
Wastewater pollution is found on the entire North Coast of Honduras and is caused by local impacts such as leaky septic tanks, agricultural run-off and failed treatment facilities.

In West End Roatán alone, an average of 29 million gallons of sewage are produced each year. CORAL and its partners continue to improve water quality by connecting more homes and business to a wastewater treatment facility.



Road to Autonomy

Since its launch, CORAL has supported the Roatán Marine Park's aspiration to become a self-sustaining organization. In 2016, autonomy became a reality and RMP effectively manages Marine Protected Areas around the island of Roatan.



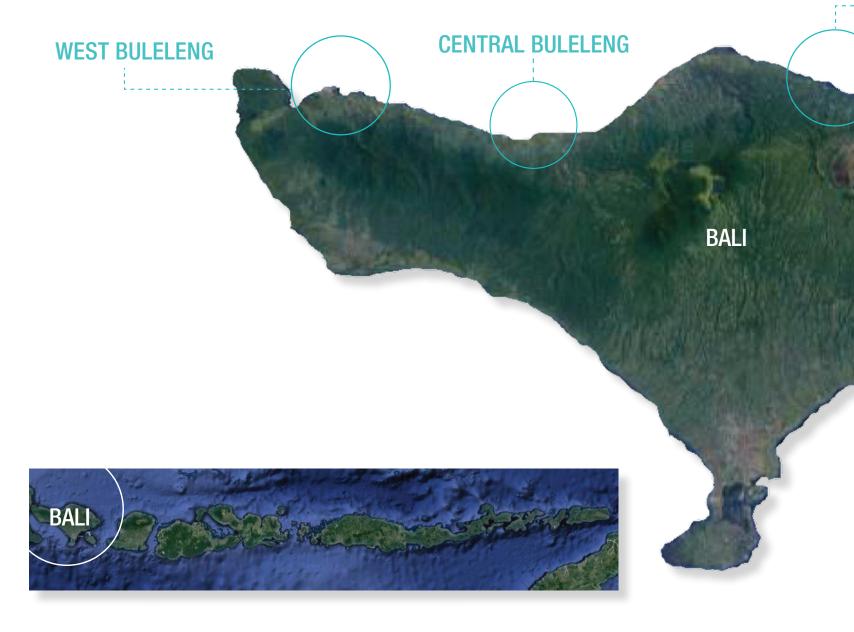
Lesser Sunda Reefscape

CORAL is working with partners in North Bali to make the government's Locally Managed Marine Area (LMMA) network a reality. We work directly with local communities to create effective management plans that will support local interests and help coral reefs thrive. In 2016, we took significant steps toward achieving these goals.

One of our key successes was an alignment of marine management with cultural rules, known as *adat*. This approach aided in the development of locally supported regulations that promoted sustainable activities. The effectiveness of this practice was recognized by others in the region and CORAL was invited to share our best practices in Raja Ampat.

A SEA OF LOCALLY MARINE MANAGED AREAS

Bali's network of LMMAs are connected both ecologically and throughout communities.







• Established a local group to monitor reef health and diversity in the village of Tejakula

• Worked with 2014 CORAL Conservation Prize recipient, Nyoman Sugiarta, to create a business plan for his dive shop in Bondalem

TULAMBEN------

-AMED-JEMELUK

- Developed a detailed coral reef management plan that identifies local issues and management needs, which acts as a blueprint for other areas in North Bali
- Launched a voluntary dive tag program to generate funds for management
- Opened a souvenir stand that showcases locally made handicrafts and funds local conservation efforts





Created economic opportunities for the local salt industry by helping the community obtain a government certification

EAST BULELENG

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--- CANDIDASA PADANGBAI

Coral Reef Financials

Support and Revenue

Foundation & government grants

Expenses

-undrais genera

Support and Revenue

Individual contributions

Program services

Individual contributions	\$1,790,024
Foundation & government grants	1,486,373
Other revenue	358
Total support and revenue	3,276,755
Expenses	
Program services	2,020,347
Management & general	209,912
Fundraising	281,831
Total expenses	2,512,090
Net Assets	
Change in net assets	764,665
Net assets, beginnng of year	1,623,25
Net assets, end of year	\$2,387,916

The financial results presented on this page are summarized from our audited June 30, 2016, financial statements; the complete statements can be obtained online at coral.org or by calling 510.370.0500.

The Coral Reef Alliance is honored to have a dedicated community of supporters who believe in our mission to save coral reefs. Thank you!

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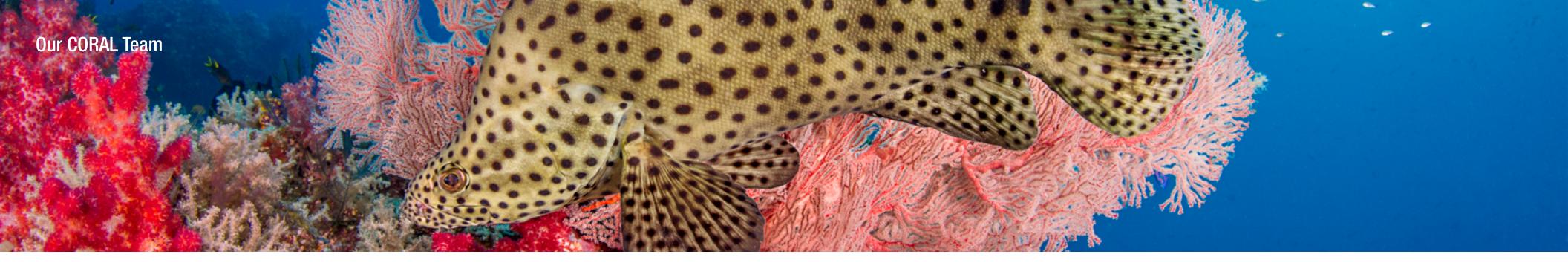
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