

# Coral Restoration Foundation



## Our Mission:

The Coral Restoration Foundation Inc (CRF) is a 501 c (3) non-profit conservation organization created to develop off-shore coral nurseries and reef restoration programs for critically endangered coral reefs at local, national, and international levels. The mission of CRF is to develop affordable, effective strategies for protecting and restoring coral reefs and to train and empower others to implement those strategies in their coastal communities.

Since inception, CRF has pioneered novel off-shore coral nursery and restoration techniques, and has collaborated closely with other organizations to further develop strategies and methods with threatened species of corals. We are driven by action and results, and firmly believe that by directly incorporating the community into environmental field programs and daily operations we can significantly improve the success of restoring and preserving these aquatic treasures for current and future generations.

## Our Goals:

- **Education:** To expand interested communities' knowledge and awareness of the social and environmental benefits of coral reefs, as well as various issues influencing coral survival.
- **Partnerships:** To facilitate and encourage partnerships for the purpose of research, restoration, and understanding of coastal resources and coral reefs.
- **Public Participation:** To reach and engage various user groups into supervised community-based programs for restoration, that will lead to long-term community stewardship of coral reefs.
- **Restoration:** To restore coral reef ecosystem services by replanting structure building corals and to utilize reef restoration to unite our goals education, partnerships, and public participation into action.

## Nurseries:

- **Locations:** Key Largo and Key West
- **Purpose:** to preserve unique genetic lineages, produce corals for research, & undertake reef restoration projects
- **Strategies & Purpose:**
  - Develop and enhance coral propagation & restoration techniques
  - Stimulate awareness via active participation & education in community-based programs (CBP)
  - Serve as experimental grounds to advance partnerships via scientific research
  - Re-establish genetically diverse groups of corals to reproduce & reseed surrounding reefs
  - Rescue & rehabilitate injured corals
- **Accomplishments:**
  - Multiple genetic lineages of staghorn & elkhorn coral on site, for research & restoration back to native habitats
  - Thousands of individual corals produced via pioneering propagation techniques
  - Hundreds of corals strategically planted on reefs
  - Thousands of volunteers and students engaged in community-based programs (CBP)



**CRF Coral Nursery**





## Restoration Plans:

Selected corals from CRF's offshore stag-horn and elkhorn nurseries have been and will continue to be transplanted onto a variety of degraded reef areas throughout the Florida Keys National Marine Sanctuary. By strategically re-planting corals onto the reef in genetically diverse clusters, we envision enhancing reproductive output, which can potentially re-seed downstream reefs and lead to a natural recovery throughout the Florida Keys. Previous CRF coral restoration projects have proven to be very effective for reef re-growth, thus enhancing the marine ecosystem services. In addition, we envision local to International communities playing a significant role in stewardship for the marine environment.

## Coral Restoration Locations:



## Community-Based Programs for Stewardship:

CRF seeks to develop a sense of community stewardship for the coral restoration process through hands-on learning as citizen scientists in action-orientated programs. To reach and sustain the goal of public participation and stewardship, we have developed volunteer programs, informative lectures, and community events as channels that link user groups with our efforts. Programs empower and teach various user groups how to help in off-shore coral nursery activities including: aiding in nursery expansion and maintenance, coral propagation, transplanting corals to reefs, as well as follow-up monitoring and evaluation.

Furthermore, in order to establish our programs, CRF envisions local businesses, educational institutions, diverse professional communities, and corporations playing a lead role in sustaining our efforts via fund-raising and sponsorship, socially responsible support, and organized community participation.

**Thank you for  
your support!**





## Who We Are

The Coral Restoration Foundation (CRF), a Tavernier, FL based 501 c (3) organization, was created to develop affordable, effective strategies for protecting and restoring tropical coral reefs and to train and empower others to implement those strategies in their coastal communities. CRF has multiple off-shore nurseries, with numerous genotypes of staghorn and elkhorn corals, as well as many other species. There are several thousand individual corals in our nurseries. Hundreds of nursery-reared corals have been replanted to degraded reefs with the help of volunteer divers, scientists, school and community groups. CRF and nursery partners are creating new nurseries in the Florida Keys, Virgin Islands, and internationally.



Staghorn Coral Nursery, Key Largo, FL

## Support These Programs with Your Adopted Coral

### Volunteer Workshops

- Custom group programs & lectures
- Help in nursery setup activities
- Aid in nursery expansion; mount new corals
- Move & transplant corals to reefs

### Community Outreach

- Provide schools with class field trips & guest lectures
- Support dive charters with volunteer trips

### International Outreach:

- Develop coral nursery restoration programs
- Create sustainable ecotourism businesses

### Scientific Research:

- Cutting edge research in coral nursery techniques and replanting strategies

# AdoptACoral.org

## Donate to nursery operations

☐ Adopt a Staghorn nubbin \$50



☐ Adopt an Elkhorn nubbin \$50



## Donate to restoration operations

☐ Adopt a Staghorn colony \$100



☐ Adopt an Elkhorn parent colony \$100



☐ Adopt a reef restoration site \$5000



A 1 year adoption includes a certificate of adoption with photo, and private internet access to coral growth reports and updated photos.

☐ Coral Restoration Foundation T-shirt \$20

☐ Nylon, sport-fishing shirt with embroidered logo \$45

Size \_\_\_\_\_ ☐ Women's Style ☐ Men's Style

Name \_\_\_\_\_

Address \_\_\_\_\_

Email \_\_\_\_\_

Method of Payment ☐ Check ☐ Credit Card ☐ Paypal

Credit Card # \_\_\_\_\_

Exp. date \_\_\_\_\_

Signature \_\_\_\_\_

## Please send to:

**Coral Restoration Foundation**

Address: 112 Garden Street  
Tavernier, FL 33070

Phone: (305) 767-2133

E-mail: [ken@coralrestoration.org](mailto:ken@coralrestoration.org)





# Why Restore Coral Reefs?



*Acropora palmata* (elkhorn coral)



*A. cervicornis* (staghorn coral)

- Elkhorn & staghorn were dominant reef building corals in the Florida Keys & Caribbean.
- 97% of population died in past 30 years & now listed as "critically endangered" by IUCN
- Remaining populations are very fragmented, & cannot sexually reproduce at low densities.
- This situation led to a huge mobilization of effort, CRF pioneered, to restore these corals.
- Reefs will be restored by out-planting dense groups of genetically diverse corals.
- Restoration sites provide larval sources to enhance population recovery downstream.
- Restored coral reefs provide critical habitat for marine animals, erosion protection, water filtration, aesthetic value, and the potential to enhance tourism and fishery industries.



## Coral Nursery Locations

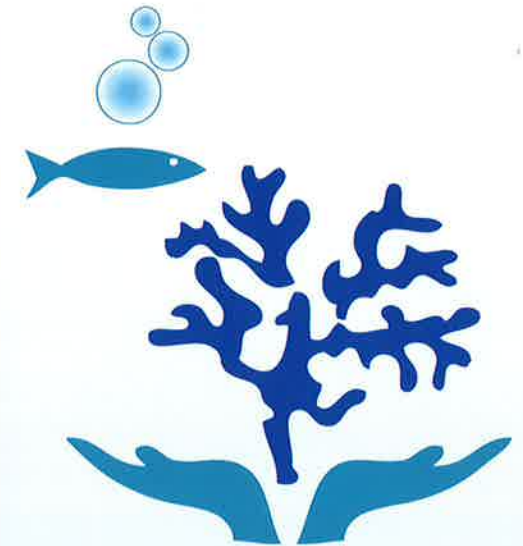


Come visit our  
coral nurseries &  
volunteer with us!

Contact us: [programs@coralrestoration.org](mailto:programs@coralrestoration.org)

[www.coralrestoration.org](http://www.coralrestoration.org)

## The Coral Restoration Foundation



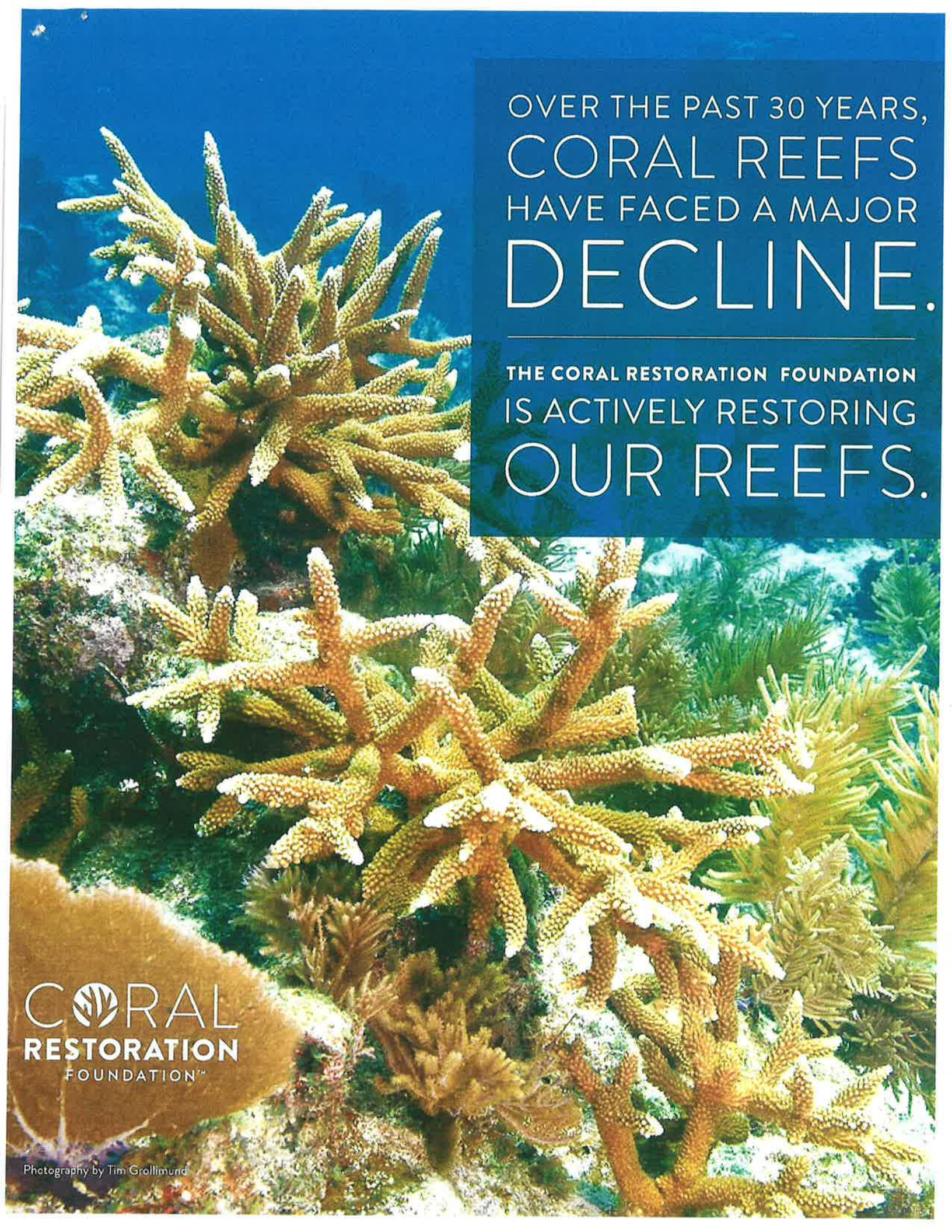
AdoptACoral.org



Support Volunteer-based  
Coral Reef Restoration Programs

Adopt A Coral, Save A Reef





OVER THE PAST 30 YEARS,  
CORAL REEFS  
HAVE FACED A MAJOR  
**DECLINE.**

THE CORAL RESTORATION FOUNDATION  
IS ACTIVELY RESTORING  
**OUR REEFS.**

**CORAL**  
**RESTORATION**  
FOUNDATION™

Photography by Tim Grollmund



CRF BELIEVES  
THAT COMMUNITY INVOLVEMENT  
IS KEY TO RESTORING  
CORAL REEFS  
FOR FUTURE GENERATIONS.



**CORAL**  
**RESTORATION**  
FOUNDATION™

[coralrestoration.org](http://coralrestoration.org)

## HELP RESTORE

**EDUCATION.** Enhance and promote awareness of coral health and survival, along with the environmental and social benefits of reef ecosystems.

**ACTION.** Engage communities in restoration efforts and encourage long-term involvement in reef restoration. Facilitate partnerships for the purpose of research, restoration, and understanding of coastal resources.

**RESULTS.** Restore threatened, reef-building coral species through restoration efforts to enhance reproductive output, and ultimately restore the reef to its original state.





Photography by Tim Grollmund

# CORAL REEFS

Since 2003, CRF has successfully outplanted staghorn coral to reefs throughout the Florida Keys and is currently working in other Caribbean areas. CRF believes that community involvement is key to restoring and preserving reefs for future generations.

Support enables CRF to grow corals in several offshore nurseries and to outplant the corals to degraded reefs. CRF's restoration efforts help to stimulate a natural reef recovery.



ADOPT A **CORAL**™

[adoptacoral.org](http://adoptacoral.org)





## EDUCATION ACTION RESULTS

**REEF SPONSORSHIP.** Sponsor a restoration site and help restore the coral reef ecosystem. Based on the level of support, sponsors will be invited to participate in outplanting corals to their sponsored site. They may also choose to select a school class, dive club, or community group to outplant the corals to the site on their behalf.

Please visit our website or contact us to learn more about the various sponsorship opportunities with CRF.

CRF is a 501 (c)(3) charitable organization.



112 Garden Street, Tavernier, FL, 33070  
[www.coralrestoration.org](http://www.coralrestoration.org) | [www.adoptacoral.org](http://www.adoptacoral.org)  
[programs@coralrestoration.org](mailto:programs@coralrestoration.org)



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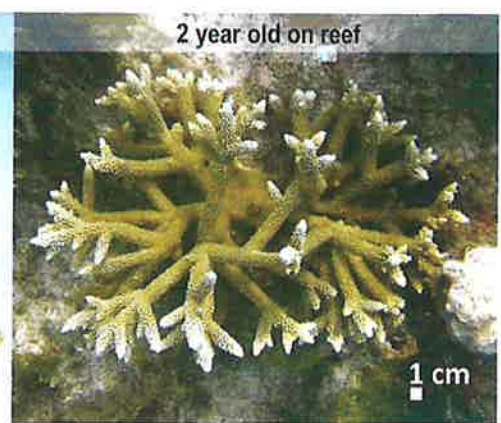
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