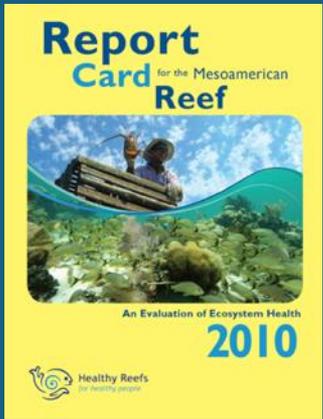
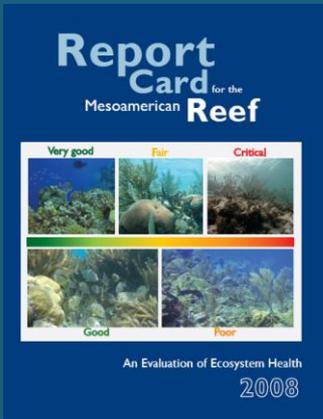


HELPING THE MESOAMERICAN REEF CORALS: PRODUCING INFORMATION AND RESTORING ENABLING CONDITIONS



Healthy Reefs
for healthy people





2020

MESOAMERICAN REEF REPORT CARD
 REPORTE DEL ARRECIFE MESOAMERICANO

EVALUATION OF ECOSYSTEM HEALTH | EVALUACIÓN DE LA SALUD DEL ECOSISTEMA

LESS WORDS, MORE ACTIONS
 MENOS PALABRAS, MÁS ACCIONES



Healthy Reefs Initiative

About Us

2006 - 2016

2018

Coral Disease

Coral Bleaching

Report Cards

Partners

Reef Health Index-Sites

Reef Health Index-Subregions

Overall Reef Health Index

Coral Cover Indicator

Fleshy Macroalgal Indicator

Herbivorous Fish Indicator

Commercial Fish Indicator

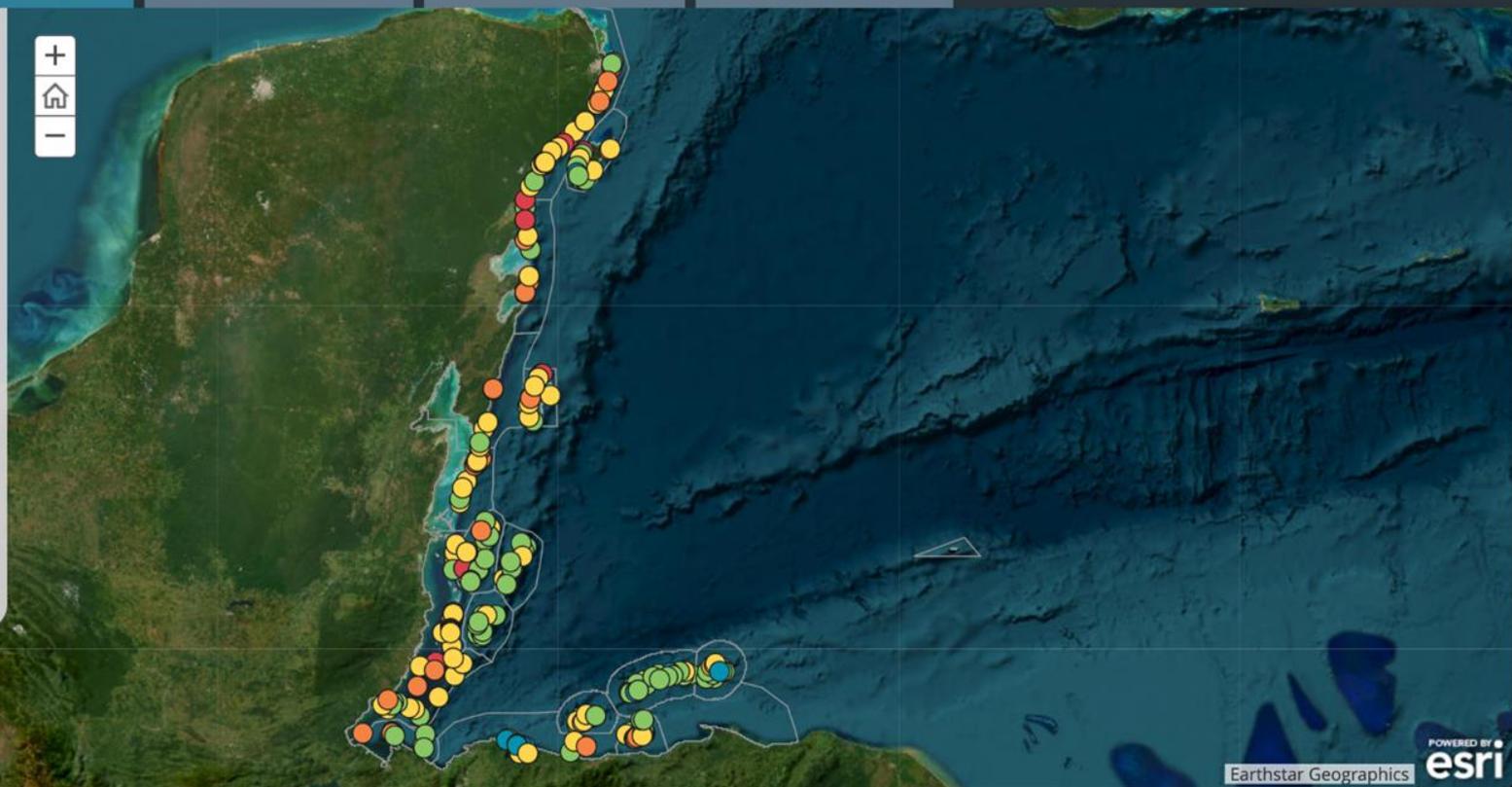
Coral cover (%) is the amount of reef surface covered by live stony corals, contributing to its three-dimensional framework.

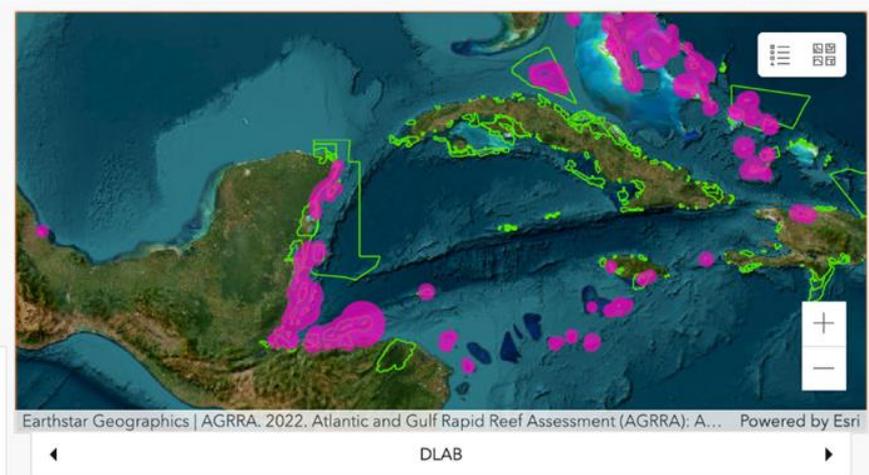


2018 Sites: Coral Cover (%)

- Critical (<5%)
- Poor (5 - <10%)
- Fair (10 - <20%)
- Good (20 - <40%)
- Very Good (\geq 40%)

Subregions

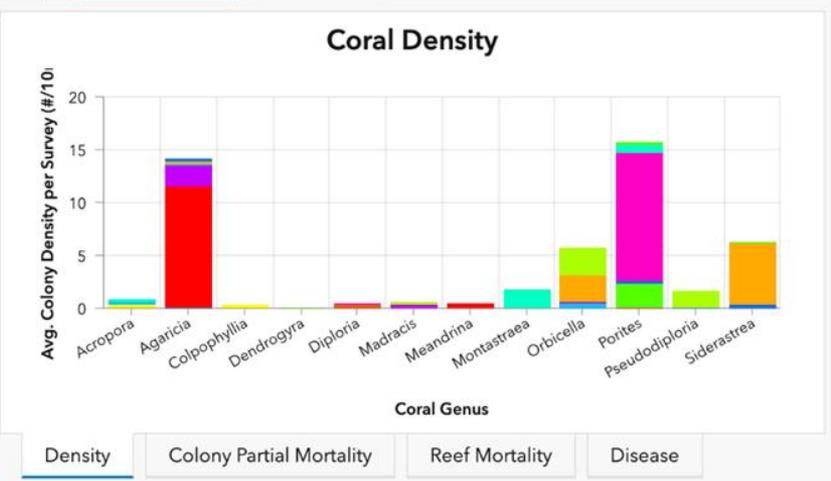
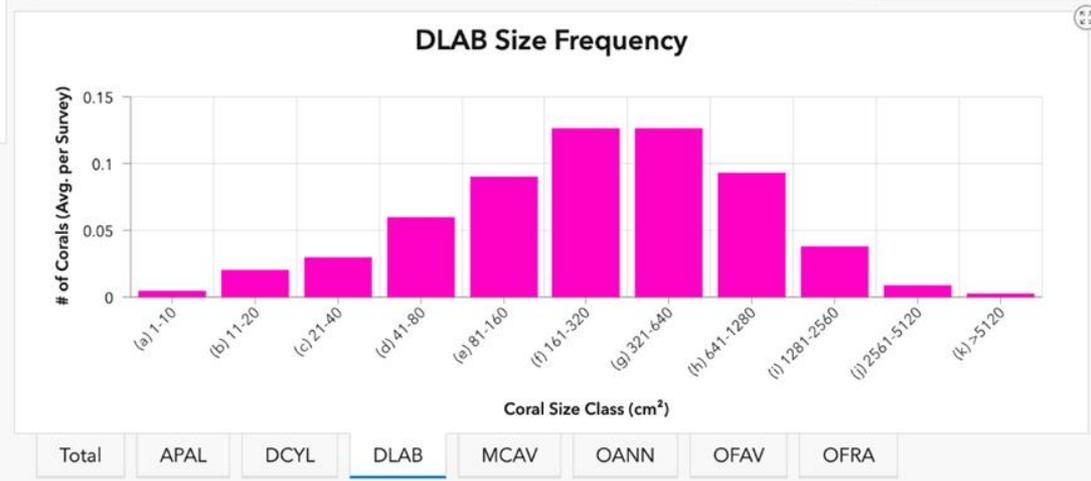
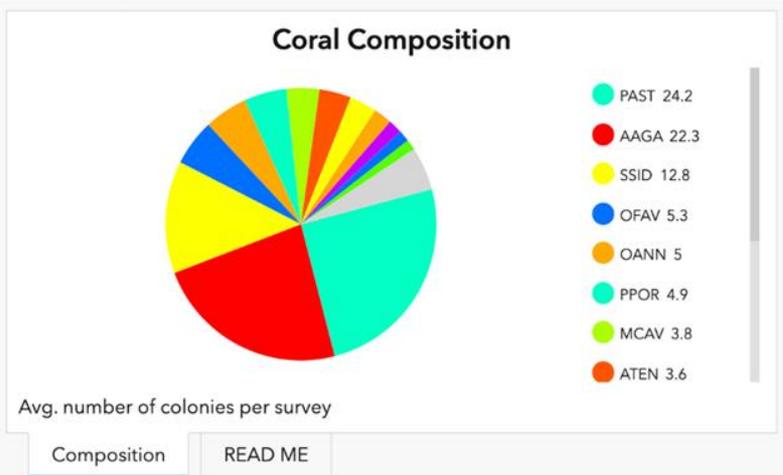


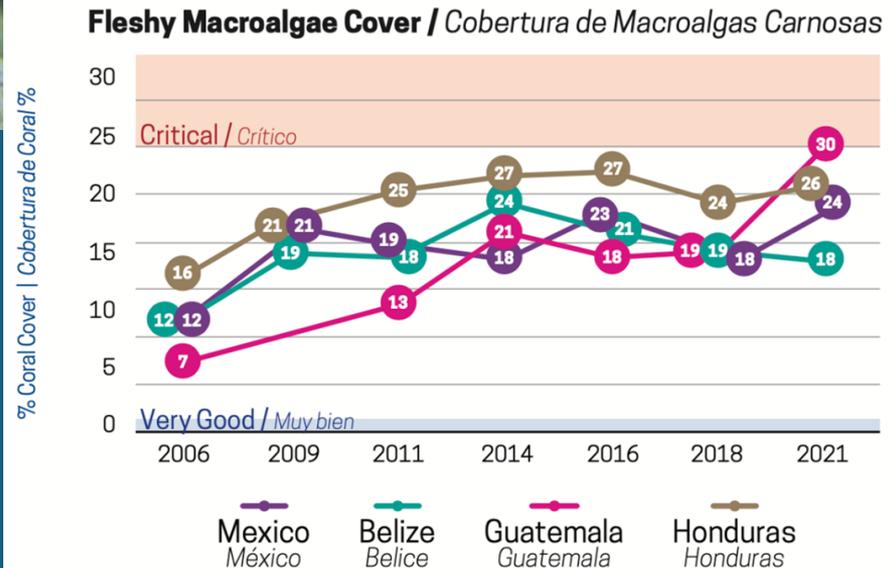
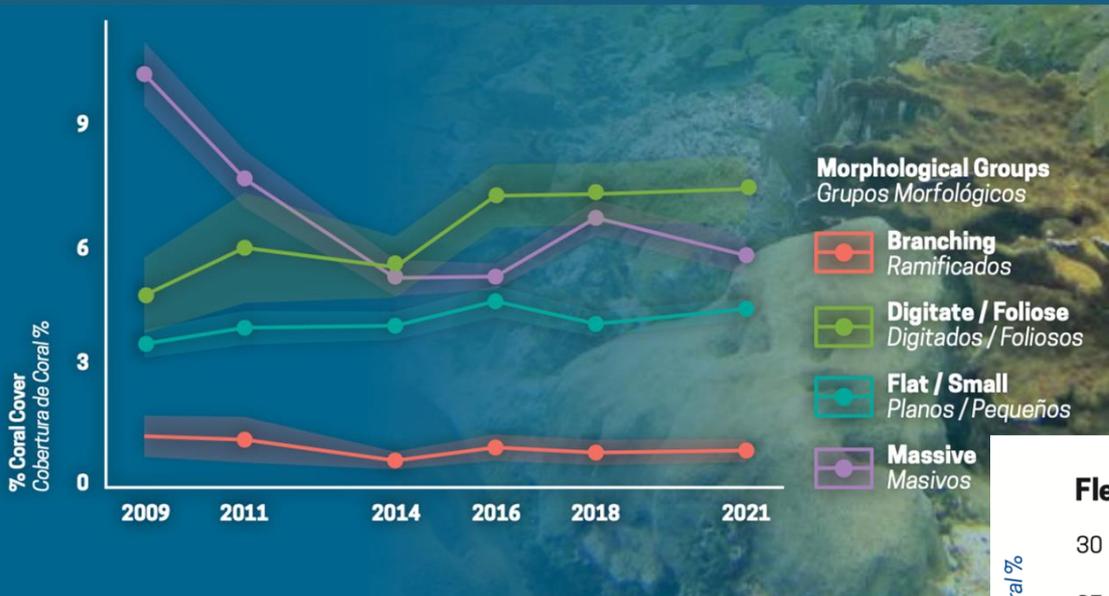


Coral Surveys
1,428

Corals Surveyed
123,236

Countries with
14
Coral Surveys



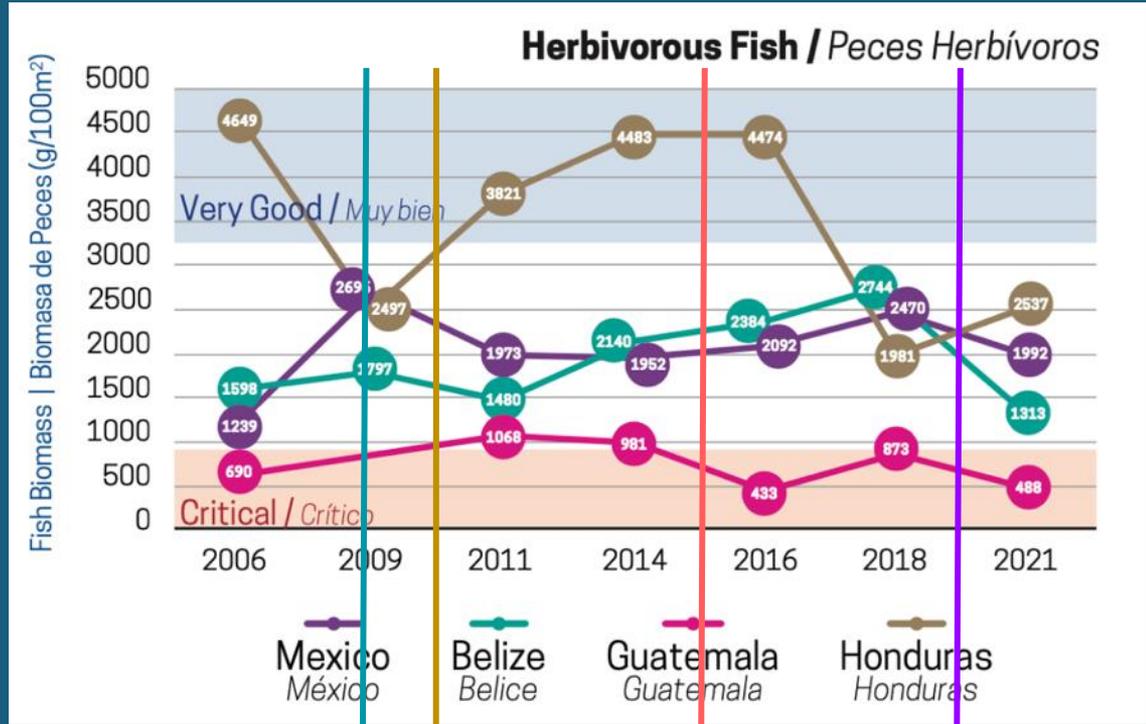


This persistent fleshy macroalgae increase is fueled by nutrient pollution and low herbivory and threatens to prevent coral growth. MAR average is 22%. A 77% decrease is needed to attain a “Good” score.

FIRST TRANSBOUNDARY REGION TO PROTECT PARROTFISH



Herbivorous fish are needed to graze down macroalgae, cleaning the reef to allow for more coral growth. MAR average is 1843 g/100m². A 49% increase is needed to attain a "Good" score.



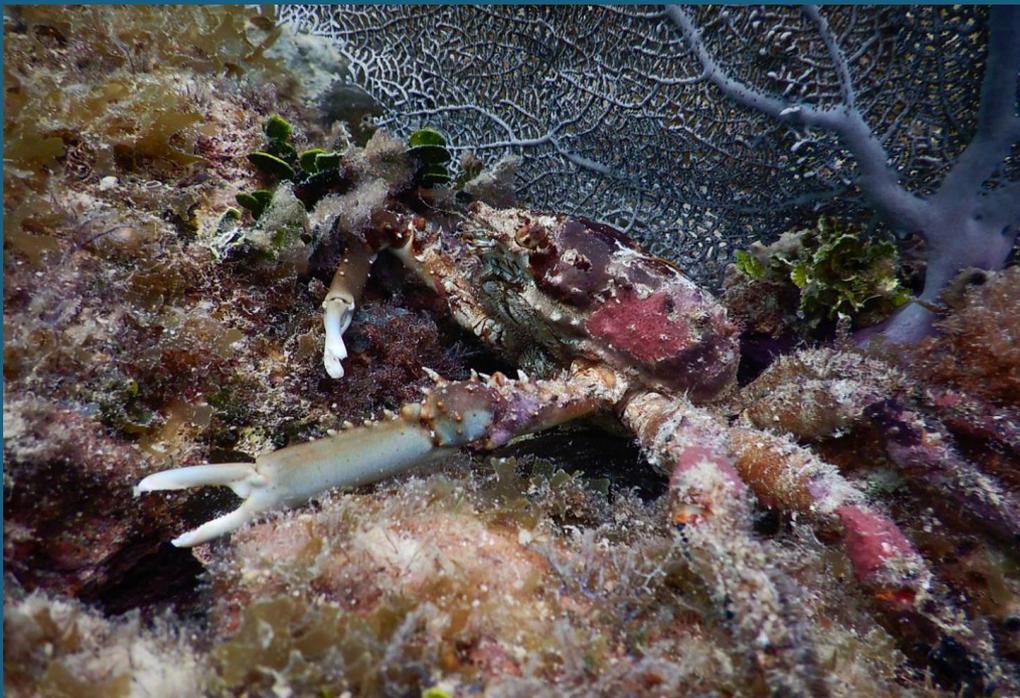
Belize Herb Ban

Bay Islands Parrotfish Protection

Guatemala Herb Ban

Mexico Parrotfish Protection

An overlooked herbivore with market value



Maguimithrax spinosissimus

Cryptic, territorial

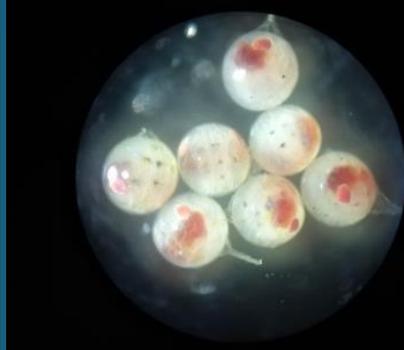
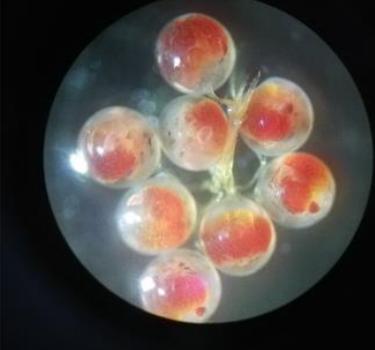
High grazing rates

Selective feeders not harming corals

3 days larvae and rapid growth

Building on early mariculture ideas (Walter Adey) & Ecology research (Mark Butler & Jason Spadaro).

High market value ~ \$10 USD/lb



 **INAPESCA**
INSTITUTO NACIONAL DE PESCA
Y ACUICULTURA



Reducing
contaminant
entry to the
MAR: our
most urgent
challenge



Porque el **acuífero conecta** la tierra y el mar

¡Todo está conectado!



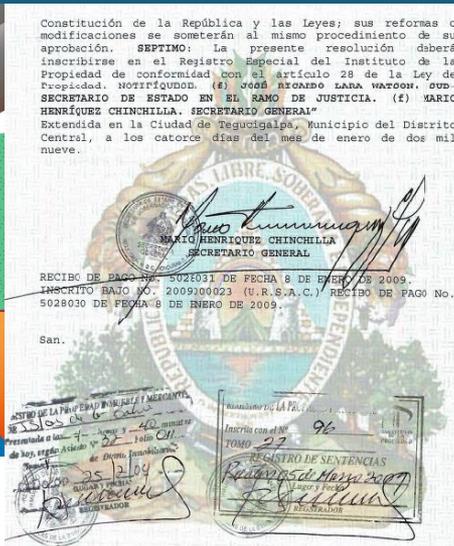
Las playas y los arrecifes de la península de Yucatán son un atractivo que genera billones de dólares a través del turismo y la pesca.



Para mantener nuestra salud y nuestras actividades, necesitamos proteger nuestro derecho al agua y a un ambiente sano.



- Advocacy to adopt Cartagena Convention's LBS Protocol standards: HN and BZ ratified, MX included similar water standards in its norm
- Participation in watershed committees
- Roatan's Polo Water association creation
- Water Our Right communication and advocacy campaign now expanding to the whole Caribbean
- Coordinated water quality monitoring in MX, BZ and HN





Healthy Reefs
for healthy people

www.healthyreefs.org



Healthy Reefs for Healthy
People



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