

Office of National Marine Sanctuaries
National Oceanic and Atmospheric Administration



NATIONAL
MARINE
SANCTUARY
FOUNDATION



NATIONAL MARINE
SANCTUARIES

FLORIDA KEYS

Office of National Marine Sanctuaries
National Oceanic and Atmospheric Administration

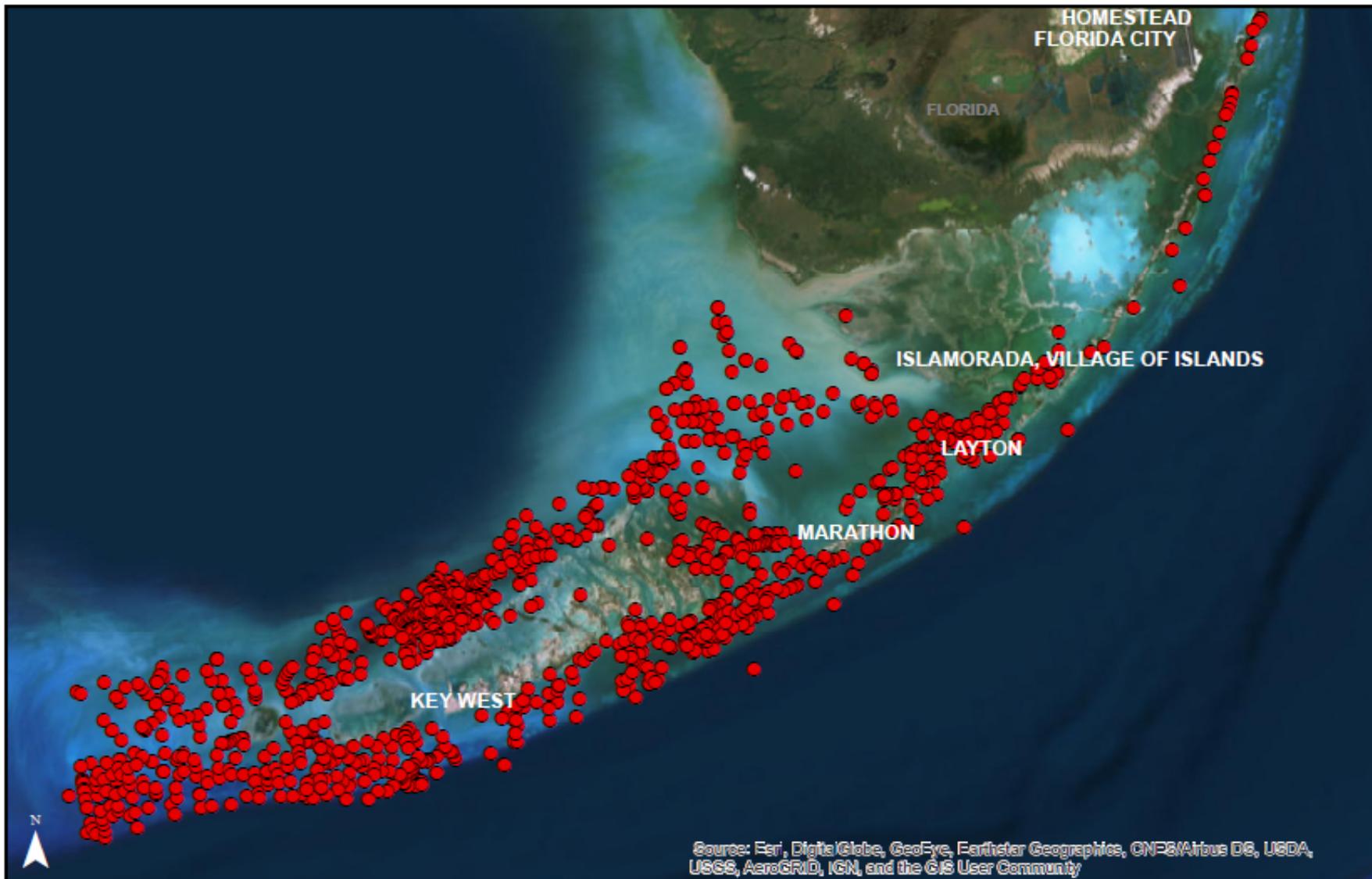


NATIONAL
MARINE
SANCTUARY
FOUNDATION

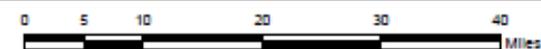


GOAL
CLEAN
SEAS
FLORIDA KEYS





Trap Locations from Flyover on 9/23-25



UF | IFAS Extension
UNIVERSITY of FLORIDA



Florida Keys National Marine Sanctuary advisory council established a **Marine Debris Working Group** to help coordinate underwater cleanups





Marine Debris Working Group Members

Advisory Council Leads:

Elena Rodriguez - Diving, Upper Keys
Lisa Mongelia - Tourism, Upper Keys Alternate

Advisory Council Representatives:

Bob Smith - Diving, Lower Keys Alternate
Joe Weatherby - Tourism, Lower Keys Alternate
Mimi Stafford - Citizen at Large, Lower Keys
Shelly Krueger - Research and Monitoring
Alternate

Florida Keys National Marine Sanctuary Staff Lead:

Marlies Tumolo

<https://floridakeys.noaa.gov/sac/marine-debris/>

Government Agencies:

Ann Lazar - Florida Department of Environmental Protection
Charles Grisafi - NOAA Marine Debris Program
Jennifer Mcgee - Florida Fish and Wildlife Conservation
Commission
Pamela Gruver - Florida Fish and Wildlife Conservation
Commission

Community Experts:

Allison Estape - Citizen at Large
Angie Cohan - NAUI
Bill Kelly - Florida Keys Commercial Fisherman's Association
Carlos Estape - Citizen at Large
Cory Walters - Mote Marine Lab, C-OCEAN
Hannah Pragnell-Raasch - Project Aware
Jack Fishman - Project Aware
Kayleigh Michaelides - National Marine Sanctuary Foundation
Laura Palomino - REEF Environmental Education Foundation
Luke D'Urso - Rainbow Reef Dive Center
Pam Meyer - Florida Keys Dive Center

Dive Operators & Dive Professionals play a **KEY ROLE** in removing marine debris

Dive Against Debris Efforts led by Rainbow Reef Dive Center





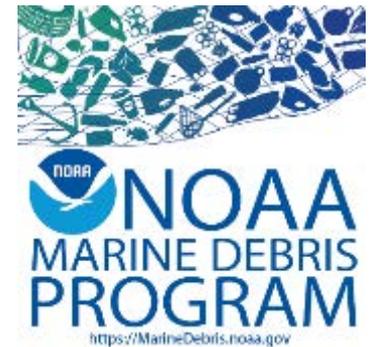
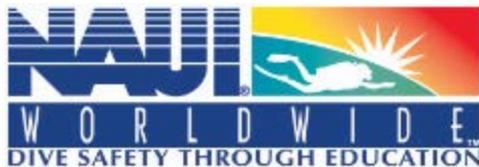
GOAL CLEAN SEAS FLORIDA KEYS

Goal: Clean Seas Florida Keys
*Protocols for Underwater Marine Debris Removals
within Florida Keys National Marine Sanctuary*

Office of National Marine Sanctuaries
National Oceanic and Atmospheric Administration



NATIONAL
MARINE
SANCTUARY
FOUNDATION



Permits



Engage Community



Training



Reporting

Dive Against Debris™ Data Card

Dive Against Debris™ è un'indagine sui rifiuti marini che troviamo sulle spiagge; mentre ti impegni nell'ambito del programma Dive Against Debris™, ti esaspera solo dei rifiuti che trovi sulle spiagge? I nostri volontari contano i rifiuti su di una Data Card ed che tutti i subacquei fanno trovare la spola loro personale in relazione più, il nostro "Dive Against Debris" è la lingua inglese direttamente come andando su www.diveagainstdebris.org Data Card mentre, per farlo in altri lingue, visitate un sito contenente la Data Card compilata a diveagainstdebris@earthwatch.org. Per informazioni sulle spiagge dove trovare, visitate la Guida all'indagine Dive Against Debris™.

Data del rilevamento (month/year)	Nome del sito del rilevamento	Organizzazione/Event Centre
-----------------------------------	-------------------------------	-----------------------------

Localizzazione del sito del rilevamento. Collegamento al video online a verificare l'esito del rilevamento. Numero di subacquei.

Disposal





**NATIONAL
MARINE
SANCTUARY
FOUNDATION**

National Marine Sanctuary Foundation is offering Blue Star Diving Operators **matching funds to support cleanups in the Florida Keys National Marine Sanctuary.**

50% match required -- Matching funds can be in-kind contributions (ie: fuel, training, staff time, cleanup materials, etc)

Find out more: <https://marinesanctuary.org>

Request Blue Star Operator Matching Funds



Not a Blue Star Operator?

Begin your certification to qualify:

[floridakeys.noaa.gov/onthewater/
bluestar.html](http://floridakeys.noaa.gov/onthewater/bluestar.html)

Contact: bluestar.diving@noaa.gov

Next Steps





Training for **dive professionals** working at dive shops who will apply for permits to conduct marine debris removals in Florida Keys National Marine Sanctuary.

Key Largo Training: Thursday, April 19, 2018-- 6:30 pm
Florida Keys National Marine Sanctuary Office
95230 Overseas Highway, Key Largo, FL 33037

Key West Training: Thursday, April 19, 2018-- 6:30 pm
Florida Keys Eco-Discovery Center
35 E Quay Rd, Key West, FL 33040

DEEP CLEANING



Photo by John Nussbaum

Jack Fishman leads a 'Dive Against Debris' in the Florida Keys National Marine Sanctuary.

Sanctuary embarks on debris removal program

BY TIMOTHY O'HARA
Key West Citizen

The Florida Keys National Marine Sanctuary is enlisting the help of dive boat operators and volunteers to clean up marine debris from Hurricane Irma.

The new program is

called Goal: Clean Seas Florida Keys and will target such debris as spiny lobster traps, rope and buoys.

The sanctuary will soon start training the roughly 25 participants of its Blue Star dive operator program, which is a sanctuary program that rewards dive

operators for educating their clients on sanctuary resources and maritime heritage and engaging in environmental-friendly practices.

The Sanctuary Advisory Council's Marine Debris Working Group, in conjunction with local dive

operators, developed the program's protocols to guide skilled divers in proper marine debris removal and reporting techniques.

The training will include identifying when to remove debris or leave it alone if

See **CLEANING**, Page 6A



NATIONAL MARINE
SANCTUARIES

Get INTO YOUR Sanctuary

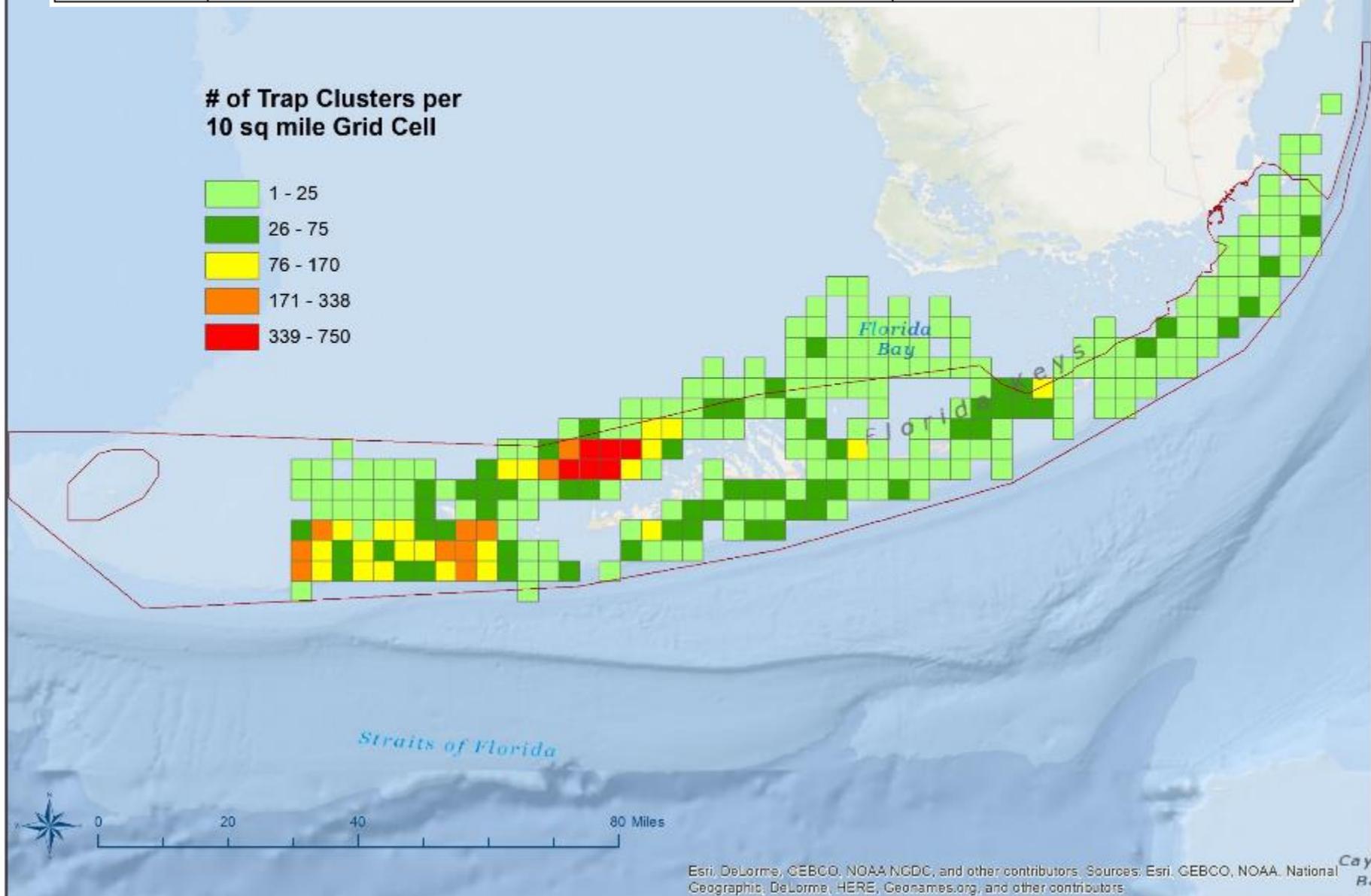
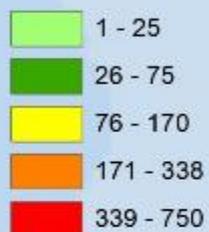




Trap Locations from Flyover on 9/23-25



of Trap Clusters per
10 sq mile Grid Cell

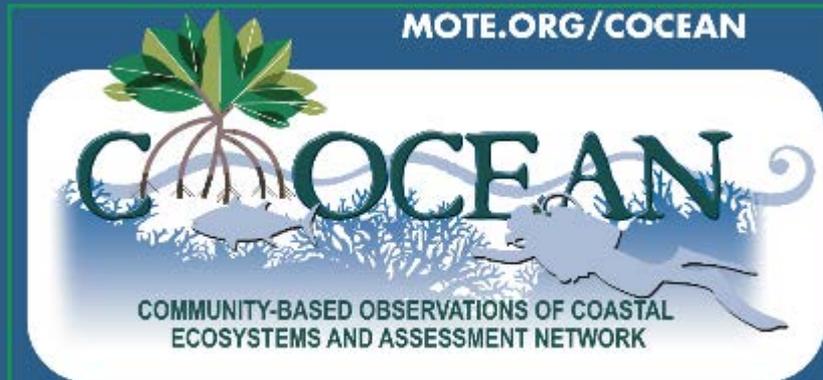


Report Marine Debris

To report an observation:

Go to www.mote.org/cocean & fill in the C-Ocean report, or

Contact Cory Walter, C-Ocean Project Coordinator,
(305) 395-8730; email cwalter@mote.org.



MOTE MARINE LABORATORY

REPORT THE FOLLOWING UNUSUAL SIGHTINGS:

Coral Bleaching



Invasive Species

Mammal Strandings



Diseased Fish & Fish Kills



Algal Blooms

Pollution & Marine Debris



Sick or Injured Sea Turtles



Discolored Water

Wildlife Violations

4REEF

MOTE.ORG/COCEAN



Vessel Groundings

Cory Walter | (305) 395-8730 | cwalter@mote.org



Lisa Mongelia

Sanctuary Advisory Council

Marine Debris Working Group Co-Chair

305-431-6709

Elena Rodriguez

Sanctuary Advisory Council

Marine Debris Working Group Co-Chair

904-861-7472

<http://floridakeys.noaa.gov>



Marlies Tumolo

Florida Keys National Marine Sanctuary

95230 Overseas Hwy

Key Largo, FL 33037

Phone: 305-434-9385

Email: marlies.tumolo@noaa.gov

<http://floridakeys.noaa.gov>

Office of National Marine Sanctuaries
National Oceanic and Atmospheric Administration



NATIONAL
MARINE
SANCTUARY
FOUNDATION



NATIONAL MARINE
SANCTUARIES

FLORIDA KEYS