



Indian River Lagoon: all organisms attached to live oysters













Laminated Guide

Postcard

Four Things You Can Do!

If you can no longer care for a pet, find someone who can. Remember, DON'T LFT IT LOOSE

Before leaving the water to head home, inspect your boat, trailer, equipment, clothing and buckets. Remove any plants and animals.

Learn to identify invasive plants, remove them from your yard and share your knowledge with neighbors.

DON'T PACK A PESTI When you travel out of Florida do not bring back fruit, vegetables, flowers, or nuts.

To learn more about invasive species visit: Floridainvaders.org







Aquarium Dumping





Invasive Species Associated with Aquarium Dumping

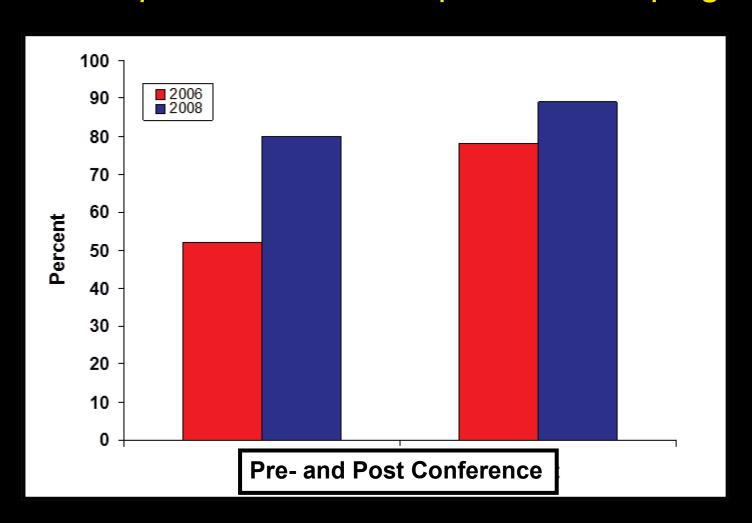
Pterois volitans



Caulerpa taxifolia

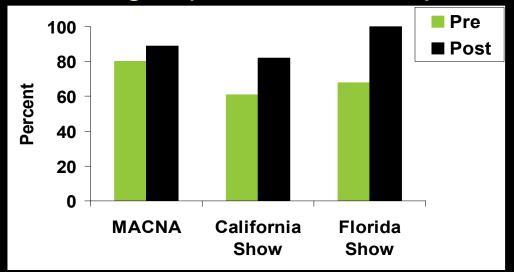


MACNA Participants: Percent with Good Understanding of the Problems with Caulerpa taxifolia and Aquarium Dumping



3 Hobbyist Conventions (2008-2010)

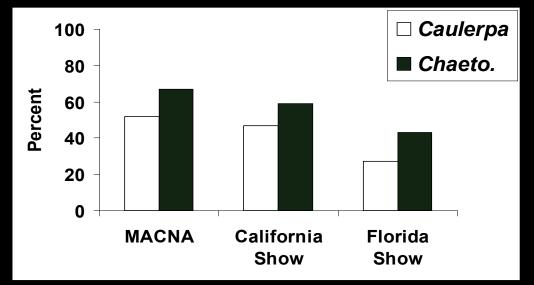
Good understanding of problems with aquarium dumping



Do you have Caulerpa/Chaetomorpha in your tanks at home?

Caulerpa taxifolia





Chaetomorpha sp.





Chaeto purchases cnaeto puronuses frequently contain many "hitchhiker" species, including non-native invertebrates and invasive seaweeds.

Scientists are concerned that any release of chaeto in

coastal waters could be as

devastating as the global

invasions of the feather alga

Caulerpa taxifolia.

Fragments of chaeto less than I mm in length can

survive and continue

growing!

variety of species of chaeto, including chaetomorpha linum and chaetomorpha crassa, are commonly sold to aquarium hobbyists.

The green alga

called Chaeto, brillo pad

algae, wire algae and

spagnetti algae.

chaeto is used for nutrient scrubbing in tanks and refugia.

Please Help Prevent Further Invasions! Dispose of all unwanted aquarium plants, including the smallest fragments of Chaetomorpha, by placing them in a sealed plastic bag in the freezer for 24 hours and then placing the bag in a trash can. Water that may contain Chaetomorpha fragments should be strained and any fragments bagged, frozen and placed in the trash. Thanks!

Questions? Please contact:

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Outreach Products: "Alternatives to Release" Brochure



Give to a responsible aquarium or pet store.



Freeze Caulerpa for a minimum of 24 hours.

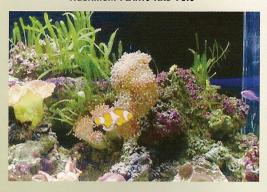
DON'T RELEASE A PEST

Freezing is Best!

BE A RESPONSIBLE AQUARIUM HOBBYIST!

LOOK INSIDE FOR: ALTERNATIVES TO DUMPING

AQUARIUM PLANTS AND PETS



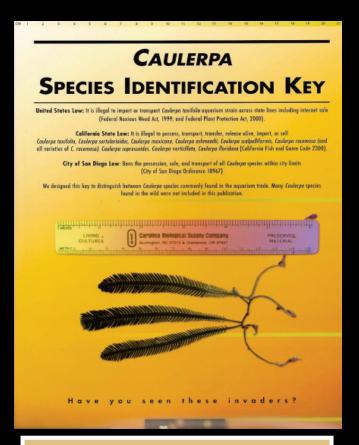
DUMPING AQUARIUM PLANTS AND PETS IS

ENDANGERING MARINE ECOSYSTEMS

YOU CAN HELP PREVENT FUTURE PROBLEMS

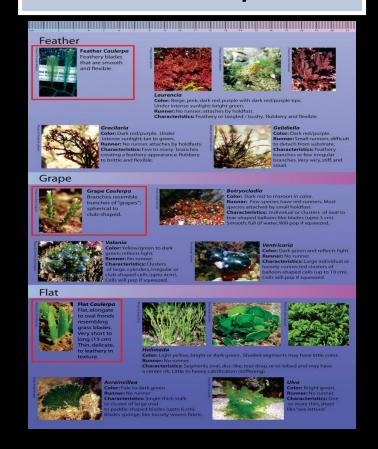
FOR MORE INFORMATION AND TO DOWNLOAD A COPY OF THIS BROCHURE GO TO: http://www.usc.edu/org/seagrant/AquatNuisance.html

Identification Keys for Aquarists, Inspectors & Enforcers



Based on morphological characteristics

Species commonly confused with *Caulerpa*

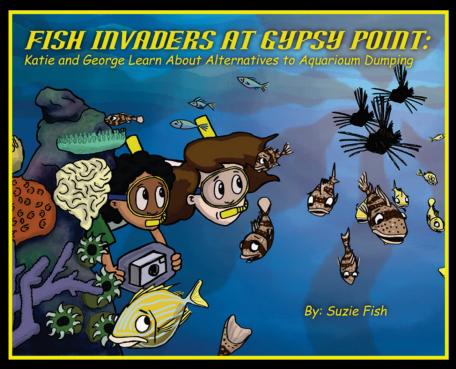


Animated Video and Public Service Announcement



Invited to 12 film festivals (3 awards!)





Children's Books

Created at Educator's Workshop in Florida Keys
Both independently evaluated by scientists & children

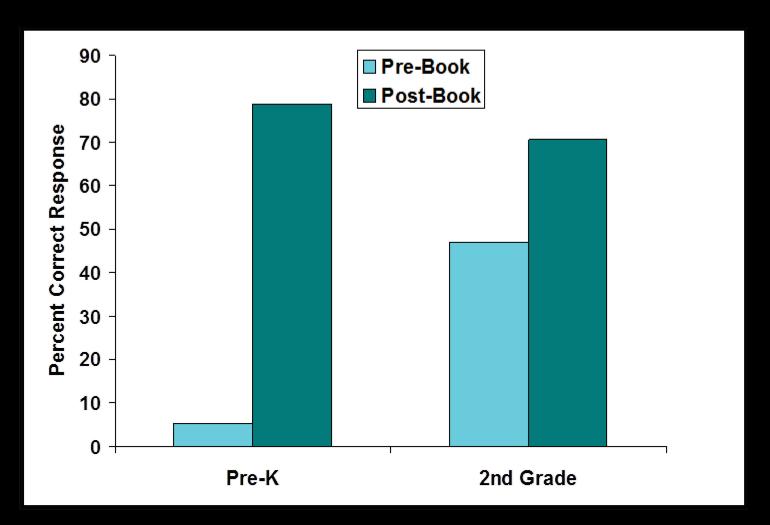
Pre-K Book: Survey Results (pre-K: n = 37; 2nd grade: n = 51)

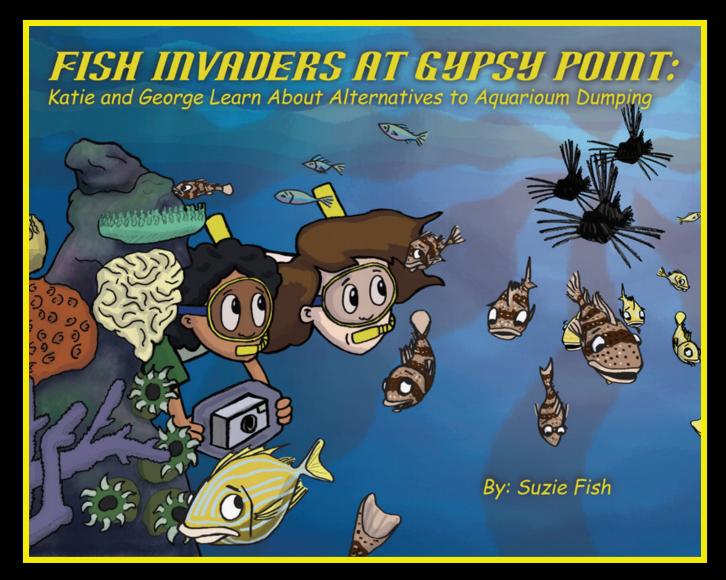
1) Did you like the book? Pre-K: 100%, 2nd grade: 91%

2) Do you want to read the book again? Pre-K: 97%, 2nd grade: 77%

3) When someone moves and can't take care of their aquarium tank any longer, what should they do?

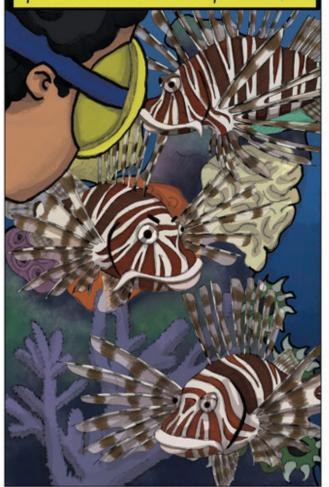
When someone moves and can't take care of their aquarium tank any longer, what should they do?





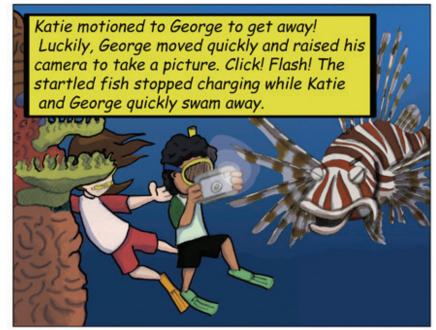
Authors: G. Nimnualrat, A.M. Wotkyns & G. Zaleski Illustrator: G. Zaleski

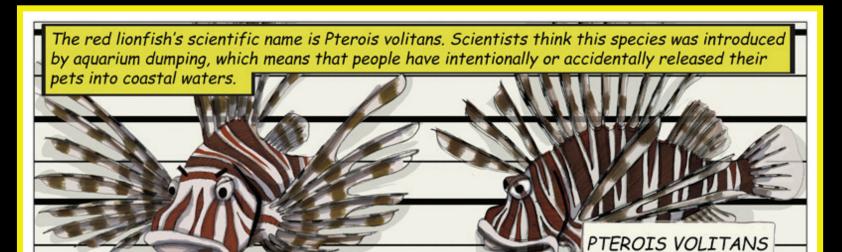
Soon they saw three large, ornate fish hanging around a massive coral head. The fish stood out with their vivid red and white vertical stripes, and long spines on their dorsal and pectoral fins.



As Katie and George got closer, one fish turned toward them, flared its fins, pointed its spines and began to charge.











08241992 FEMALE

Alternatives to Aquarium Dumping











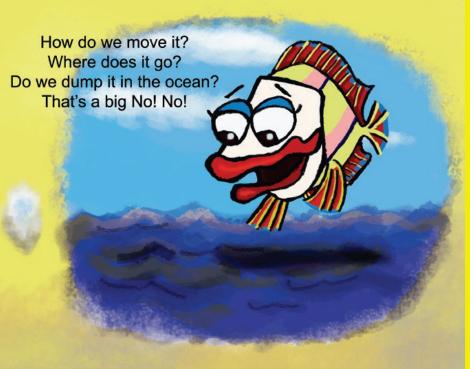


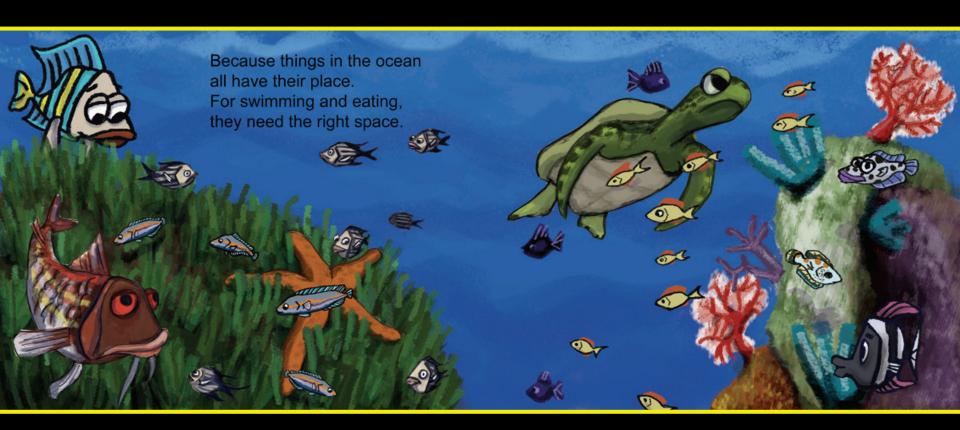


Authors: Suzie Caffery & Diahn Escue

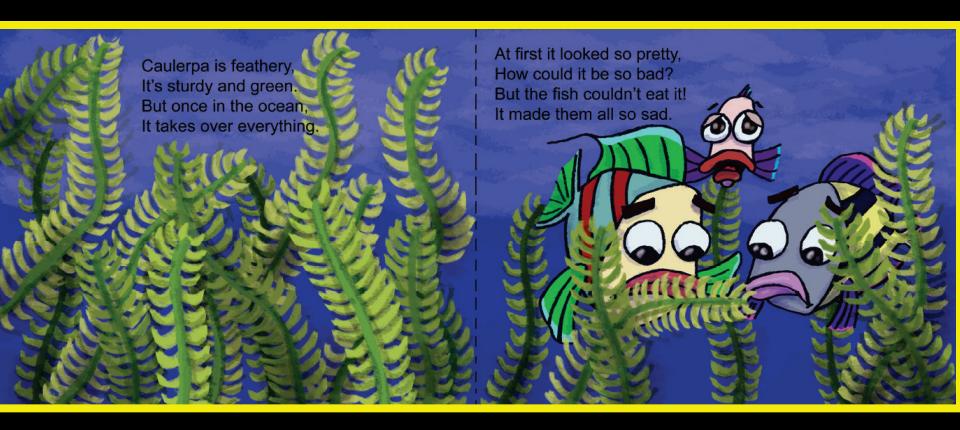


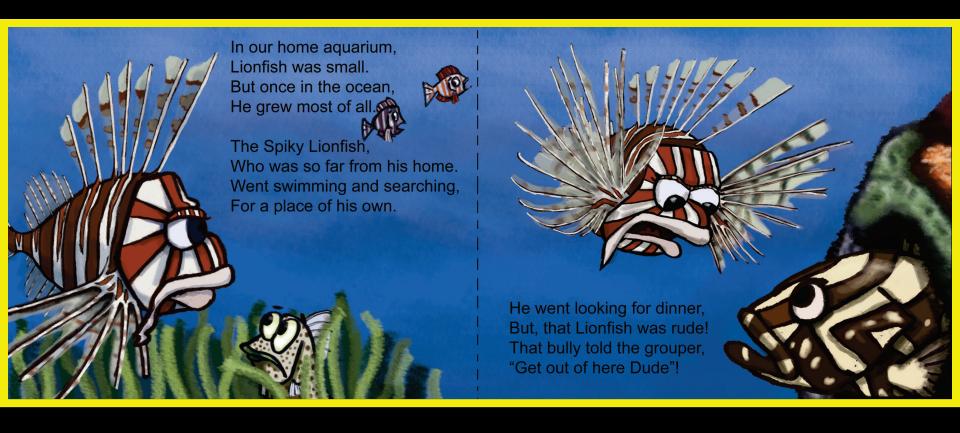












Now the problem still remains, To find a home for our friends. I feel so confused, Will this never end?



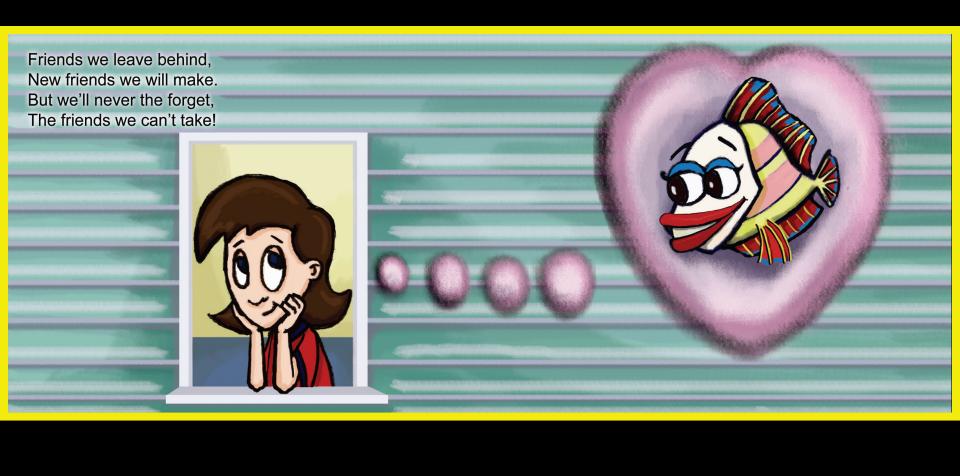


Thank goodness our Mother, Who knew just what to do. In no time at all, Made a phone call or two.









Acknowledgments

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