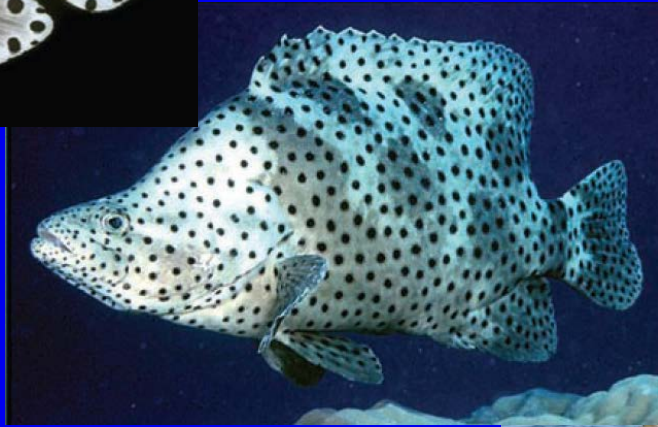
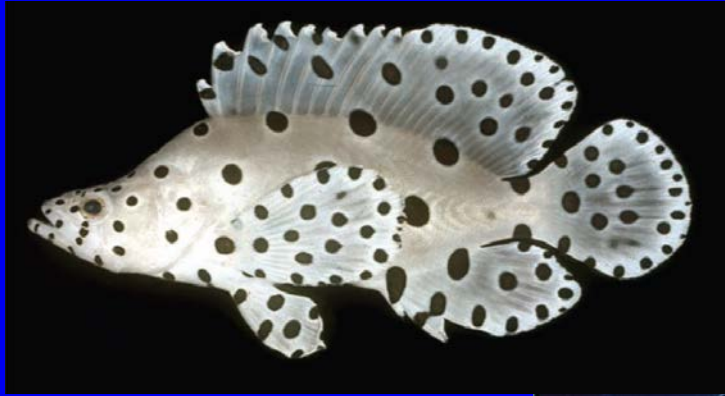


Early Detection/Rapid Response of non-native marine fish in the South Atlantic



Lad Akins – Director of Special Projects, REEF





Reef Environmental Education Foundation

60,000+ members

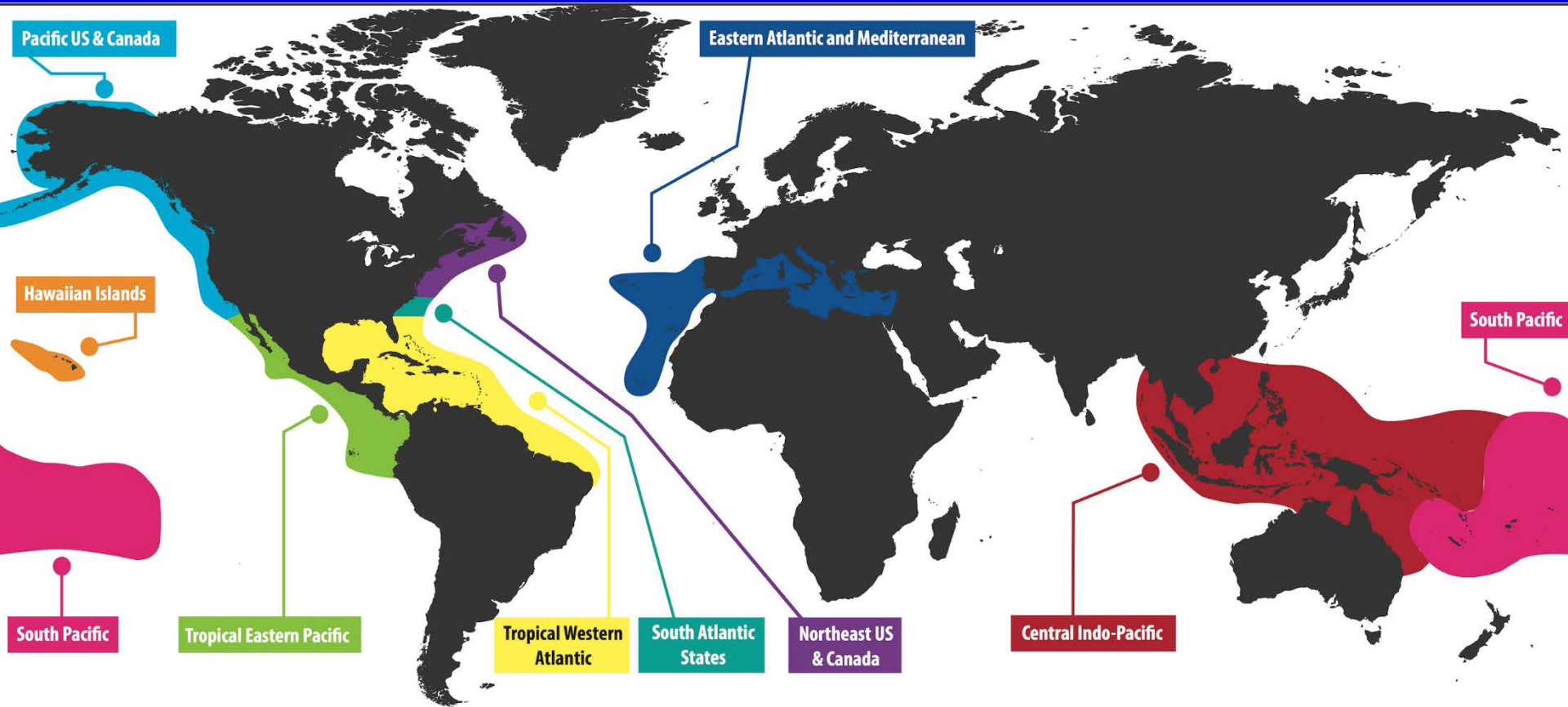
- REEF HQ in Key Largo
- Satellite office at Scripps, San Diego

Programs

- Fish Survey Project
- Grouper Spawning Project
- Artificial Reef Projects
- Education Program
- Trips Program
- Marine Conservation Internships
- Exotic/Invasive Species









Illegal Aliens...

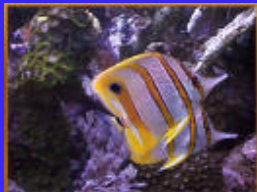




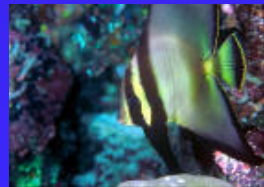
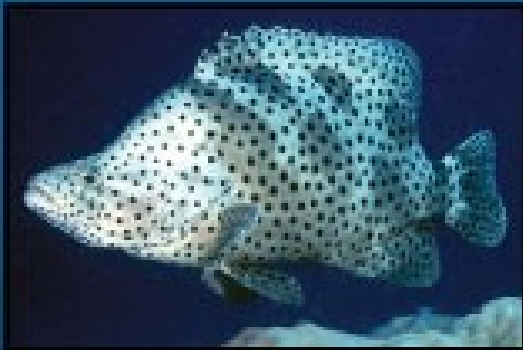




South Florida marine fish introductions – A unique place...



Field Guide to the Nonindigenous Marine Fishes of Florida



Schofield, P. J., J. A. Morris, Jr. and L. Atkins



Lionfish in the Atlantic







Regal Demoseille



An Indo-Pacific Damselfish in the Southwest Gulf of Mexico

Nuno Simoes

UNAM-Sisal, Yucatan, México
ns@ciencias.unam.mx

D Ross Robertson

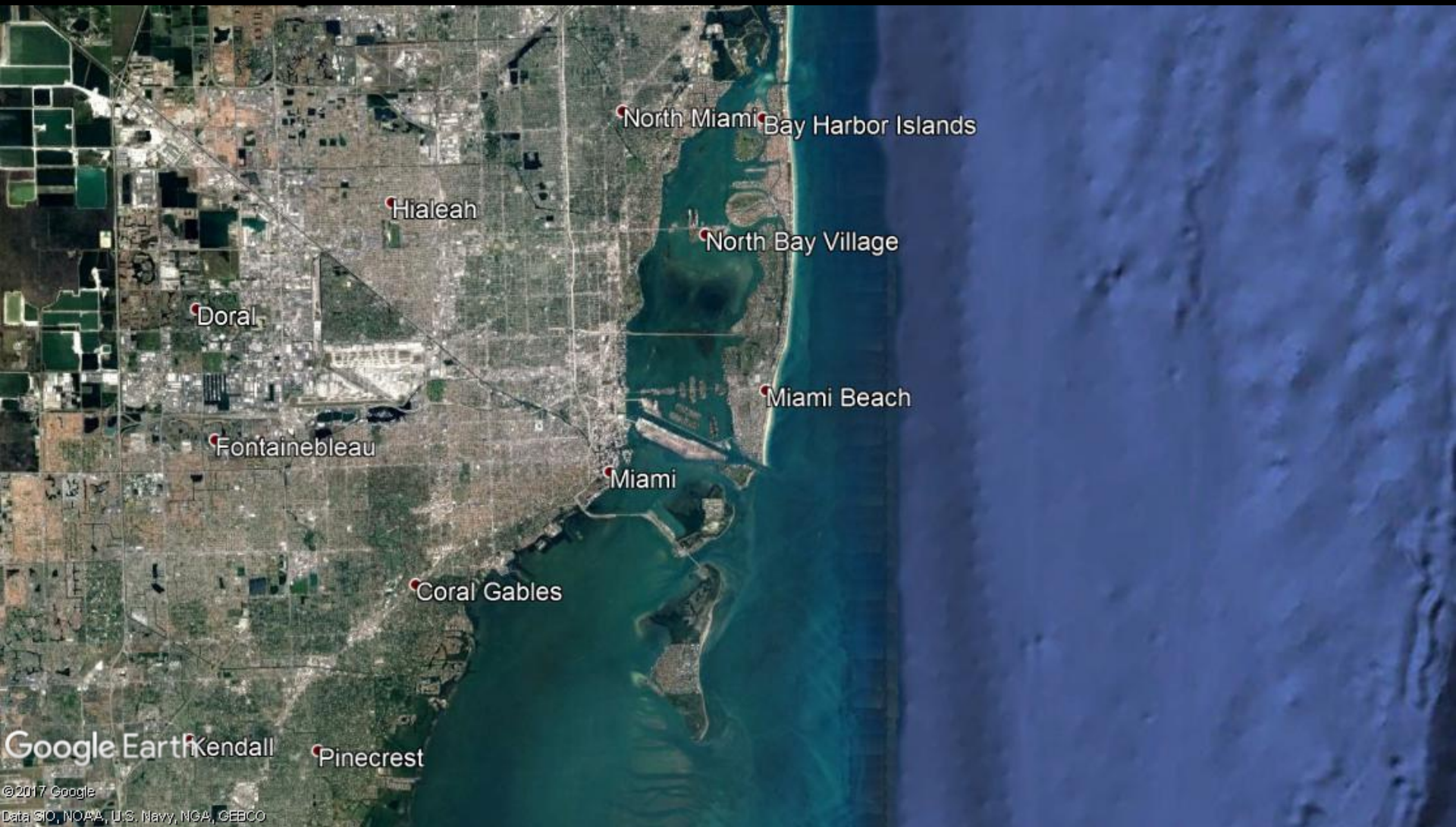
Smithsonian Tropical Research Institute, Panamá
drr@stri.org

doi: 10.5281/zenodo.58455



Miami Beach Marina





North Miami Bay Harbor Islands

Hialeah

North Bay Village

Doral

Miami Beach

Fontainebleau

Miami

Coral Gables

Google Earth Kendall

Pinecrest

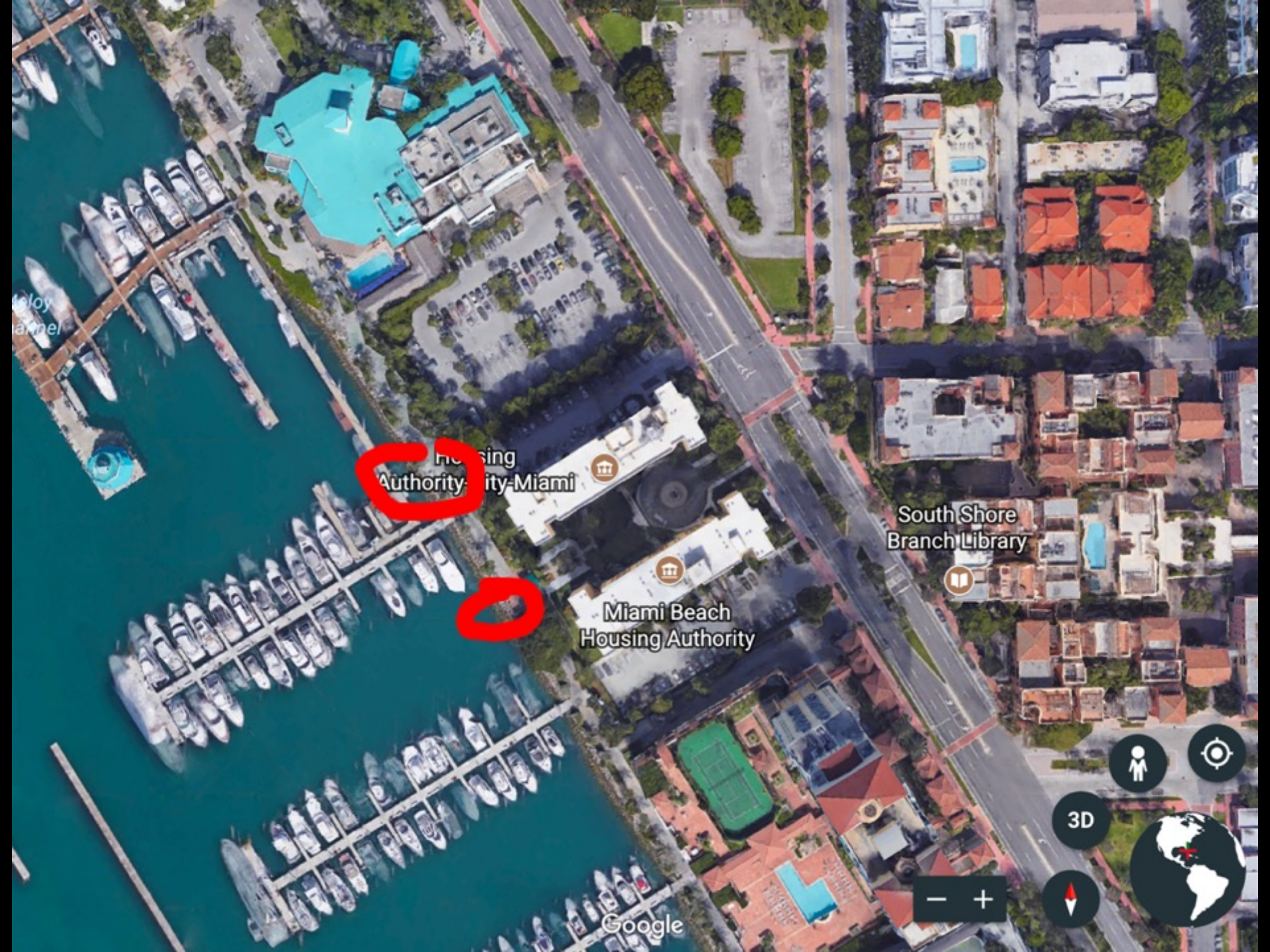
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Miami Beach

Google Earth

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Housing Authority - Miami

Miami Beach Housing Authority

South Shore Branch Library

Google

Issues and Directions

Issues

- *Property rights*
- *Authority*
- *Permitting*
- *Liability*
- *Communication*

Issues and Directions

Directions

- *Agreements*
- *Protocols*
- *Personnel*
- *Funding*
- *Workshops*

A lionfish with its spines raised, swimming over a sandy ocean floor. The fish has a brown and white striped pattern on its body and a white tail with black spots. The background is a shallow, clear blue water environment with some coral and sand visible.

Thank you!

www.REEF.org



Questions...

