

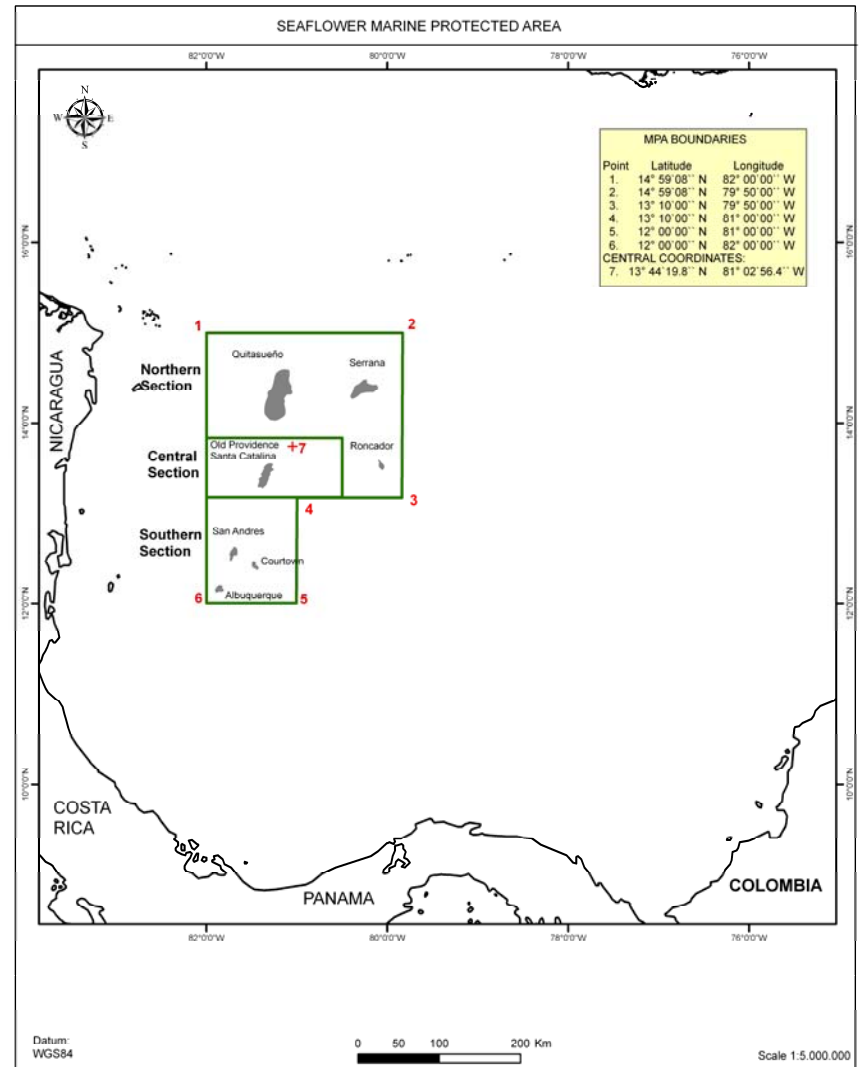
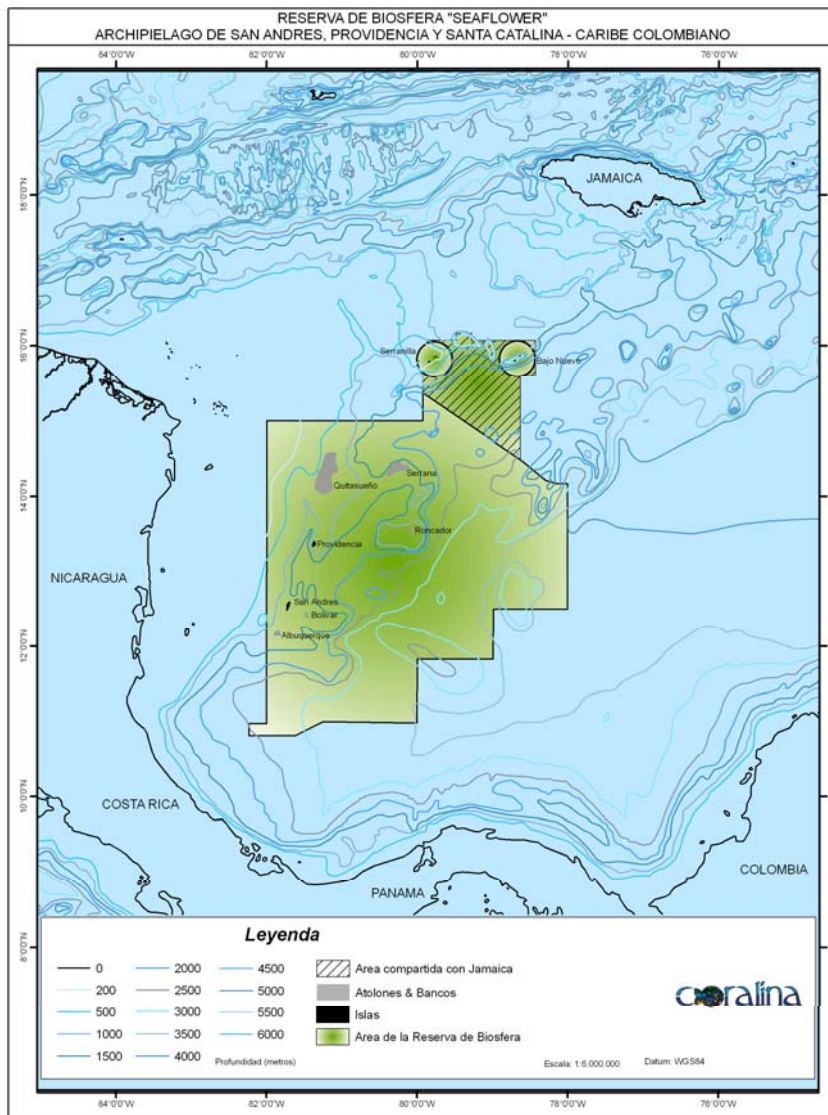


Experience and Management of
Pterois volitans-miles in Biosphere
Reserve Seaflower
Archipelago of San Andres
Providencia and Santa Catalina
Marine Protected Area, Colombia

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Biosphere Reserve Seaflo and Marine Protected Area (MPA), 65.000 Km2 divided into 3 Sections



CORALINA is the environmental authority in Archipelago and received the first notification of **Lionfish** in December 2008 in Manzanillo (15 ft) Old Providence (divers).

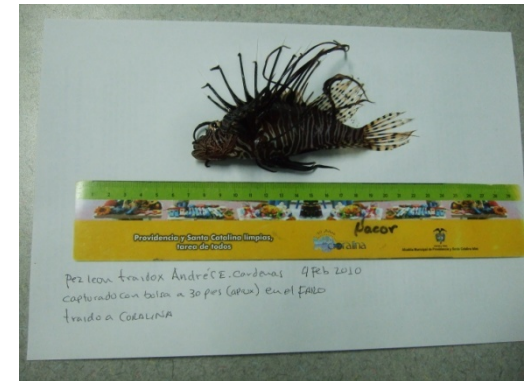
In San Andrés the first notification was made in January 2009 in la Parguera (100ft) (divers).

CORALINA has made some survey and find lionfish in all the Archipelago (10 places)

Most of the observations has been made in deep zones (80-100 ft and more), But we can see in shallow waters too (lest 30 ft)

Control Strategies

- 1) Education (Schools, Fishermans, Dive Centers, Soldiers, and people of the community by transmtion in radio and local tv)
- 2) Capture (diferents methods of capture: nets, hooks, plastic bags, some fishermans use speargun, and others)







Success to Date

- CORALINA capacitate approximately 500 children's in schools, 150 soldiers, 50 fisherman's, 4 dive centers, etc., and 6 tv and radio transmissions (per month)
- Information campaigns with brochures
- Field sheets to report lionfish capture
- Buzos del Caribe Dive Center (in San Andres) and one ONG (Old Providence Ecohamlet Group), have contributed to capture approximately 1200 and 300 lionfish respectively



Most of the capture has been made in deep zones (80-100 ft and more), But CORALINA captured 121 lionfish in shallow waters (lest 30 ft) in San Andres



Challenges

- Limitations in personal to catch lionfish
- Limitations funding to research and monitoring
- Education (some persons don't know today, the real problem)
- Lack of environmental policies (need begin)
- Abundant lionfish in deep waters
- is necessary to find new strategies for the population control (for example recipes lionfish)



Needs

- Need to know the real size of the population (we only have reports of catch and sightings)



Concluding Statement

CORALINA effort has been aim in the first place to the education and strategies of population control by catching lionfish, because the funding is a big limitation

For the future:

create a environmental policies

we are planing to aim to the investigation and monitoring



Thank you for this opportunity



NOAA

NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION
UNITED STATES DEPARTMENT OF COMMERCE

