



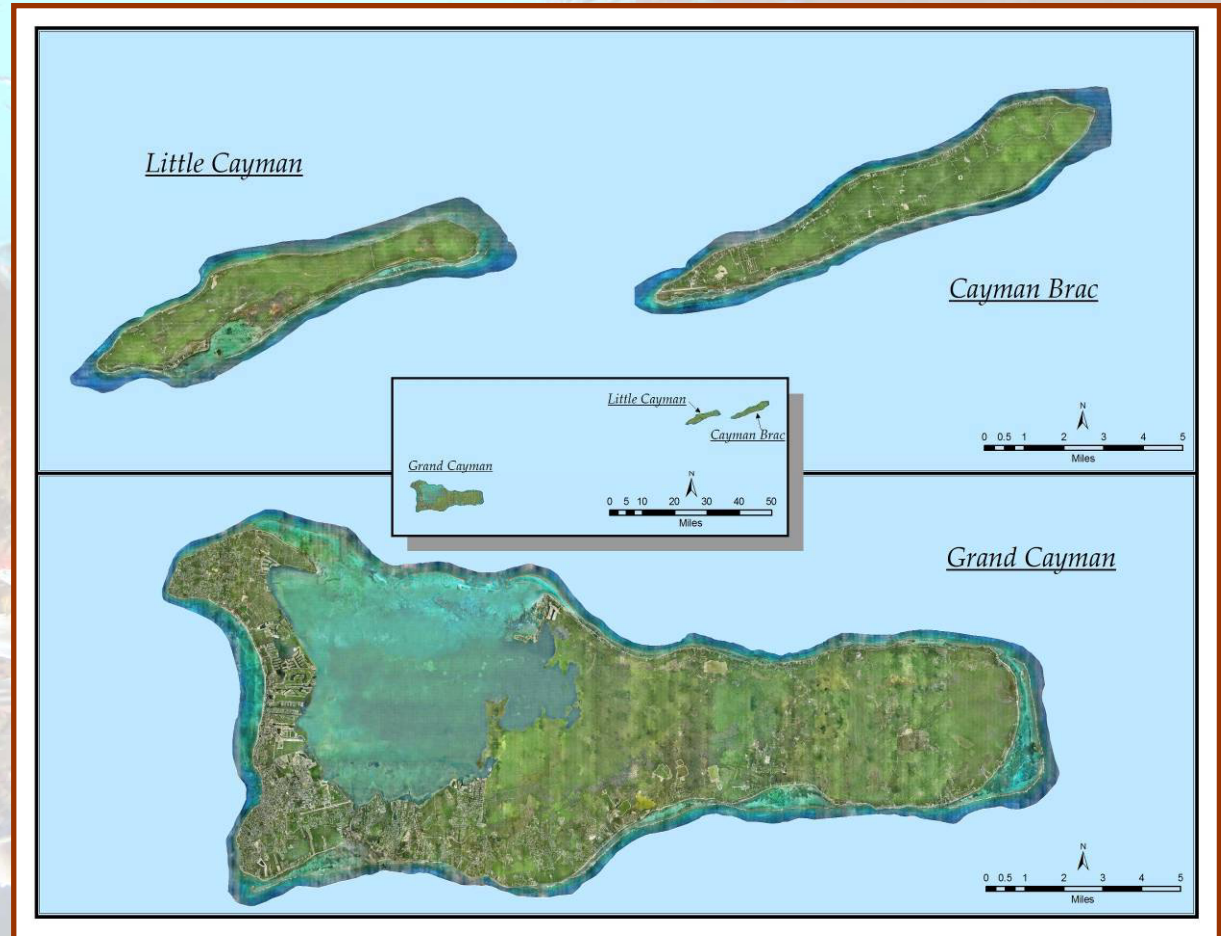
Introduction

Bradley Johnson

Cayman Islands

**Department of
Environment**

bradley.johnson@gov.ky





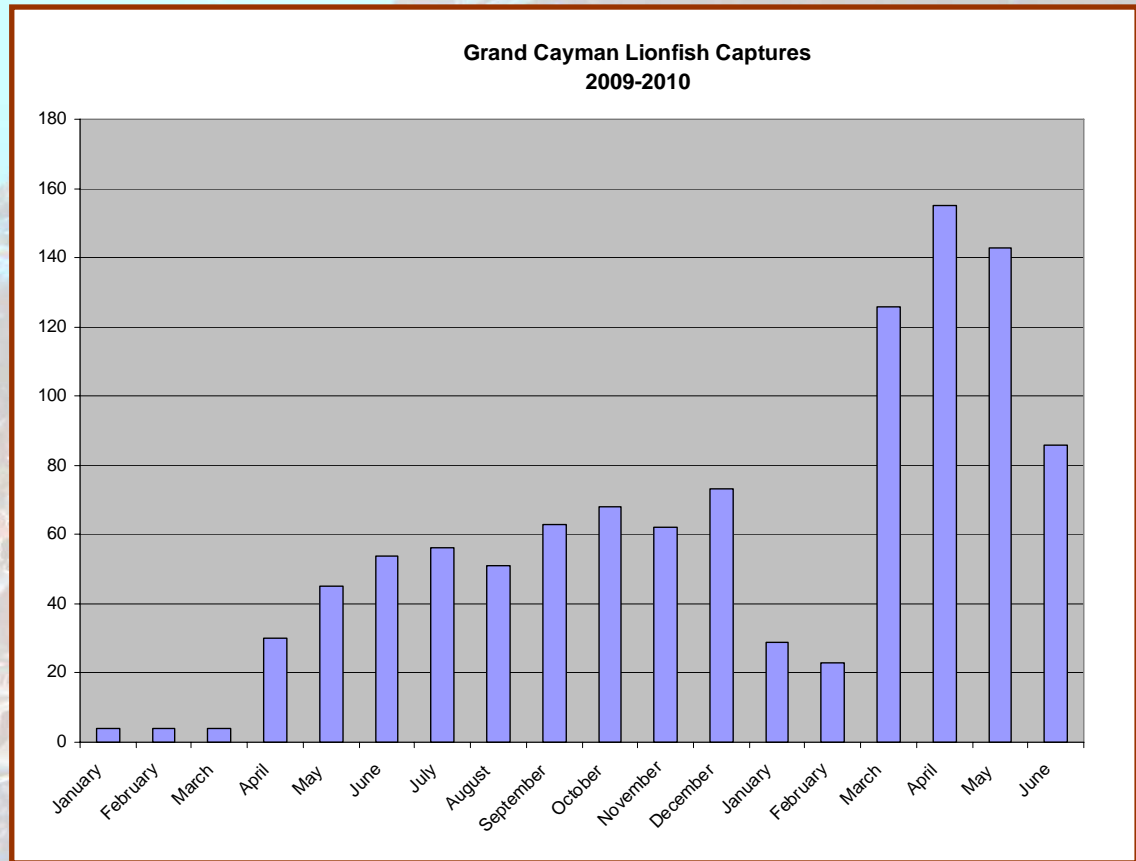
Invasion Status

- 1st Sighting February 2008
Little Cayman - Captured

- 2nd Sighting October 2008
Cayman Brac - Captured

- January 2009 – Invasion
Began!

- ~2,000 Reported captures to
date





Strategies/Plan

- March 2009 Developed Licensing Program with REEF
- Developed Lionfish Species Action Plan (NBAP)
- Over 500 residents & dive masters licensed, NETS ONLY!
- ER staff at all hospitals
- Public meetings
- Majority of schools (continue Sept 2010)
- August 2010 Manufactured Pole Spears for dive masters

MANAGE FISHES

Reserve, Reef Lionfish Species Action Plan

REEF FISHES

Inventory and Range

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management

Inventory, Range, Status, Distribution, Conservation, and Management



Successes

- Buy-in (Media, Stakeholders, Community)
- Licensing system – correct info, easy implementation
- Marine Conservation Board – open and adaptive
- Facebook Page – DOE Lionfish Culling Group

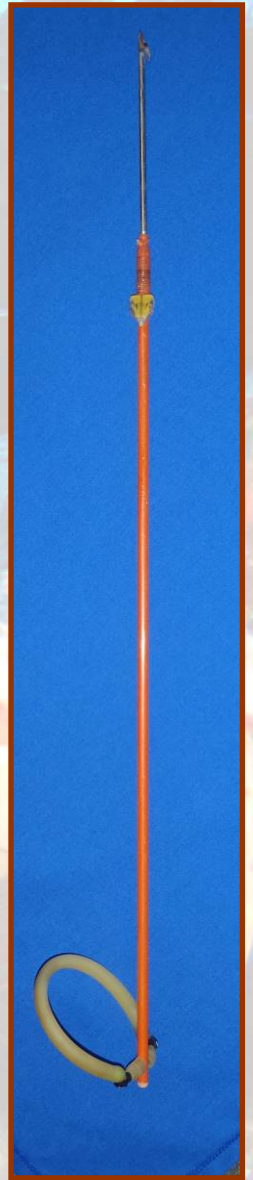


Photo: Jason Washington



Challenges

- Cost of capture gear
- Existing regulations on speargun licensing – political and enforcement issue
- Restriction on importation of spearing devices – local manufacture
- Sister Islands - smaller populations/fewer divers





Resources

- DoE
- Governor's Delegated Fund
- Joint Nature Conservation Committee
- Large commercial and residential diving community
- Cayman Islands Tourism Association (CITA)





Needs

- More info on regional strategies, plans
- Salaried officers dedicated to lionfish removal
- More effective removal techniques
- Better understanding of larval distribution patterns





Conclusion

- Local control is only part of the solution
- More successful in conjunction with regional effort
- Regional effort encourages local support

bradley.johnson@gov.ky



Photo: Jason Washington