

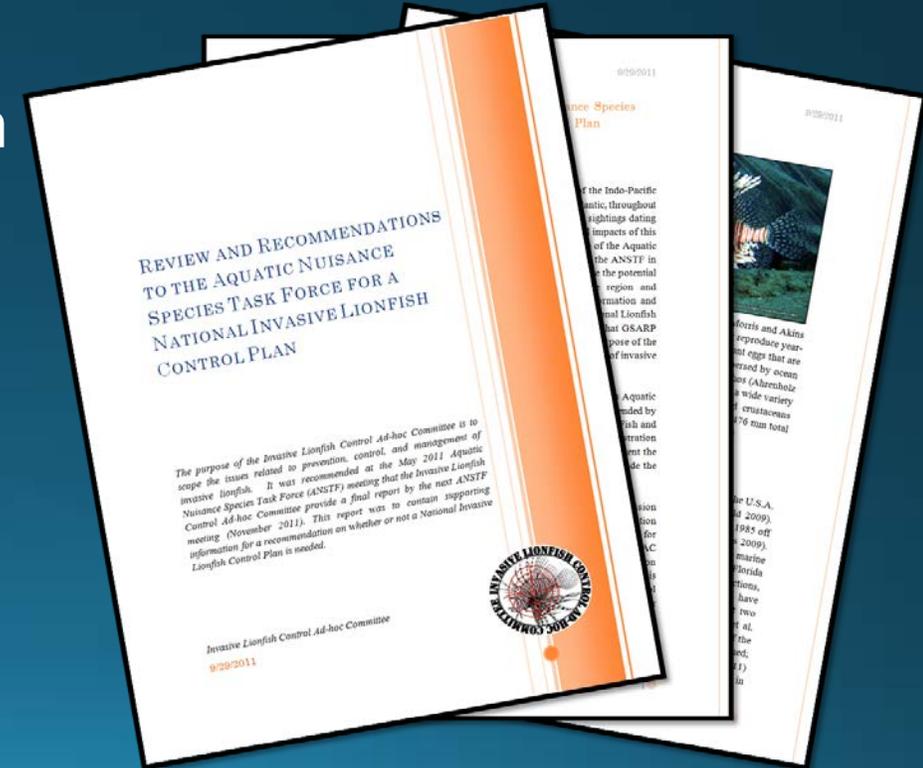


Invasive Lionfish Control Ad-Hoc Committee

National Invasive Lionfish Prevention and Management Plan

Timeline

- Spring 2011: GSARP recommended that the ANSTF establish an Invasive Lionfish Control Working Group to scope the issues related to prevention, control, and management of invasive lionfish (*Pterois volitans*, *Pterois miles*).
- The ANSTF accepted the recommendation and formed the Invasive Lionfish Control Ad-hoc Committee (ILCAC).
- Fall 2011: The ILCAC provided the ANSTF with their report “Review and Recommendations to the ANSTF for a National Invasive Lionfish Control Plan”





ILCAC Membership

- Lad Akins, Reef Environmental Education Foundation (REEF)
- Julie A. Anderson, Louisiana State University/Louisiana Sea Grant (LSU)
- James Ballard (Editor/Coordinator), Gulf States Marine Fisheries Commission (GSMFC)
- Margaret M. (Peg) Brady, National Oceanic and Atmospheric Administration (NOAA)
- Susan Pasko, National Oceanic and Atmospheric Administration (NOAA)
- Kevin Cute, Rhode Island Coastal Resources Management Council (CRMC)
- Chris Furqueron, National Park Service (NPS)
- Leslie Hartman, Texas Parks and Wildlife Department (TPWD)
- Jeffrey Herod, United States Fish and Wildlife Service (USFWS)
- Charles Jacoby, St. Johns River Water Management District (SJRWMD)
- Travis Leeuwen, University of British Columbia (UBC)
- Cliff McCreedy, National Park Service (NPS)
- Marshall Meyers, Pet Industry Joint Advisory Council (PIJAC)
- James Morris, National Oceanic and Atmospheric Administration (NOAA)
- Adrianna Muir, United States Department of State (USDOS)
- Judy Pederson, Massachusetts Institute of Technology Sea Grant (MIT)
- Scott Sanders, United States Fish and Wildlife Service (USFWS)
- Pam Schofield, United States Geological Survey (USGS)
- Kristen Sommers, Florida Fish and Wildlife Conservation Commission (FL FWC)
- Cynthia Tait, United States Forest Service (USFS)
- Catherine (Anna) Toline, National Park Service (NPS)
- John Wullschleger, National Park Service (NPS)

Timeline

- January 2012: Held first webinar with the newly expanded ILCAC to go over the straw-man draft of the National Invasive Lionfish Prevention and Management Plan (NILPMP).
- January 2012 – October 2013: The ILCAC drafted the Plan (numerous webinars and 27 drafts of the NILPMP).
- November 2013 – April 2014: The ILCAC conducted several reviews of the Plan before providing the final draft to the ANSTF in May 2014.



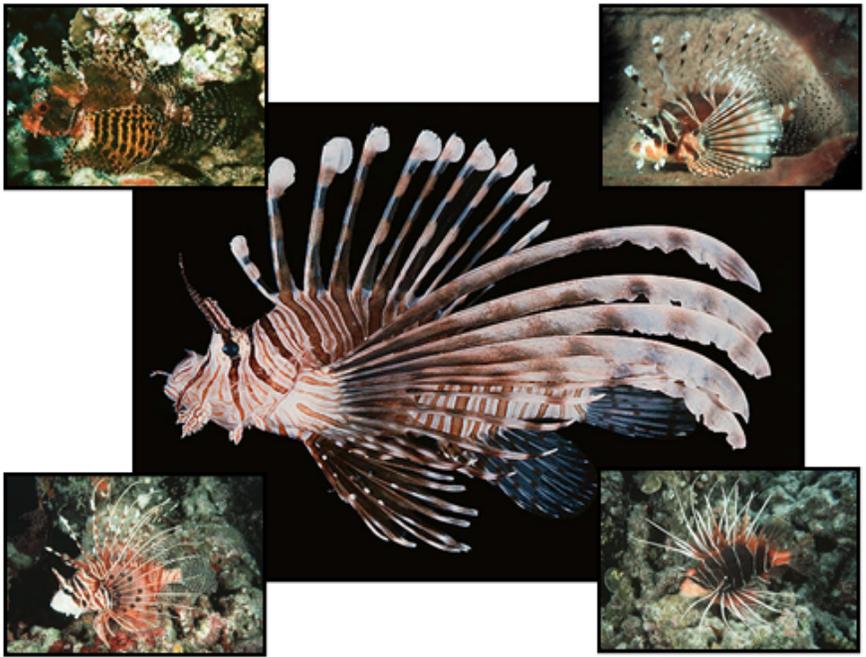
Outline

- 1.0 Vision, Goals, and Objectives
- 2.0 Background and Overview
- 3.0 Impacts and Regulations
- 4.0 Invasive Lionfish Prevention and Management
- 5.0 Education and Outreach: Current/Future Actions
- 6.0 Leadership, Communication, and Coordination
- 7.0 Points of Contact for AIS Issues in the Affected Region
- 8.0 Proposed Invasive Lionfish Prevention and Management Funding Needs

10/1/2014



National Invasive Lionfish Prevention and Management Plan



PREPARED BY:
INVASIVE LIONFISH CONTROL AD-HOC COMMITTEE OF THE
AQUATIC NUISANCE SPECIES TASK FORCE

Funding Needs

Tasks	Objectives Addressed	Anticipated Outcomes of the Task	Estimated Yearly Cost
Lionfish Research	1.A, 1.B, 3.A, 3.B, 3.C, 3.D, 3.E, 3.F, 3.G, 4.A, 4.B, 4.C, 4.D	<ul style="list-style-type: none"> • Improved control procedures and tools. • Better understanding of impacts to native species and habitats. • Better ways to manage the invasion to minimize potential impacts. • Better description of the invasive lionfish population. • More complete understanding of the economic impacts of the lionfish invasion. 	\$10,000,000
Identify High Priority Sites and the Vectors of Introduction Threatening Them.	1.A, 1.E, 3.B	<ul style="list-style-type: none"> • Provide a more focused approach to addressing the lionfish invasion. • Protect ecologically and economically important areas and native species from the impacts of invasive lionfish. 	\$1,000,000
Develop and Implement a Standardized Monitoring Program	1.A, 1.F, 2.A, 3.D, 4.C, 4.D	<ul style="list-style-type: none"> • Help prevent new populations of invasive lionfish from becoming established. • Protect ecologically and economically important areas and native species from the impacts of invasive lionfish. 	\$5,000,000
Establish a Rapid Response Fund	1.A, 2.A	<ul style="list-style-type: none"> • Decrease response time to new sightings. • Provide timely funding to address new occurrences before a population can establish. 	\$5,000,000
Outreach	1.A, 1.D, 2.A, 2.B, 3.H, 4.C	<ul style="list-style-type: none"> • Increase awareness about the lionfish invasion. • Decrease response time to new sightings. • Help prevent new introductions. • Fully fund existing efforts (e.g. USGS NAS database and USFWS ANS Hotline) 	\$1,000,000



Pterois antennata



Pterois miles



Pterois mombasae



Pterois radiata



Pterois russelii



Pterois sphex



Pterois volitans



Dendrochirus barberi



Dendrochirus biocellatus



Dendrochirus brachypterus



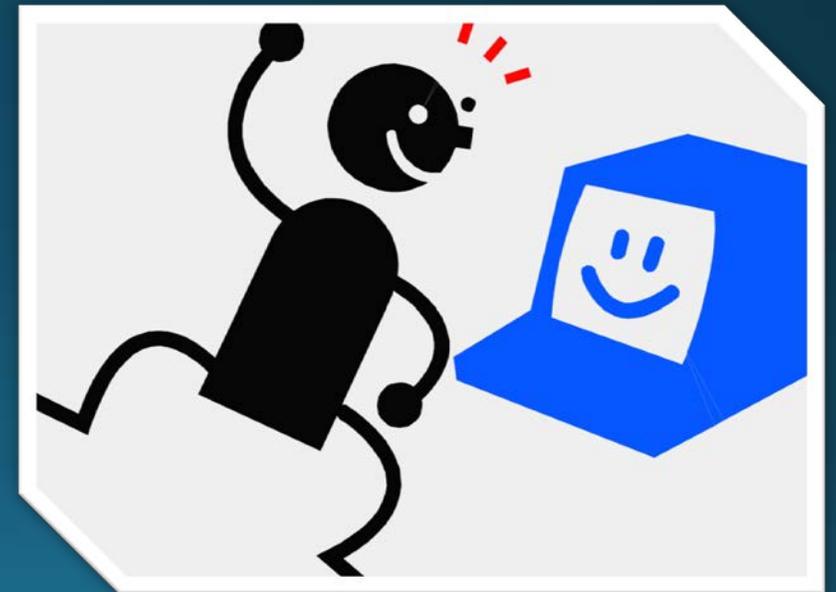
Dendrochirus zebra



Parapterois heterura

Recent Activities

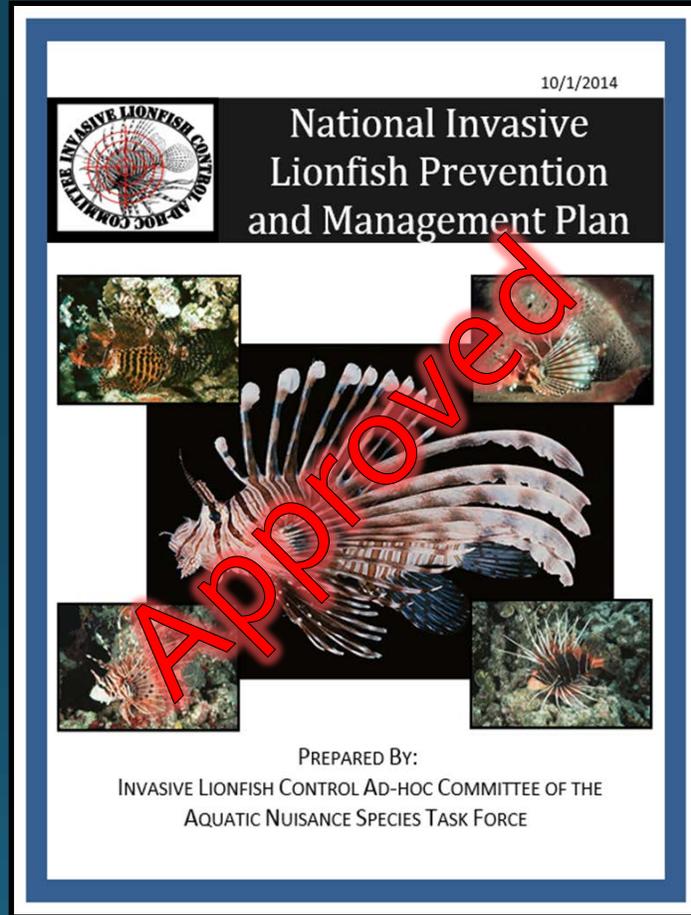
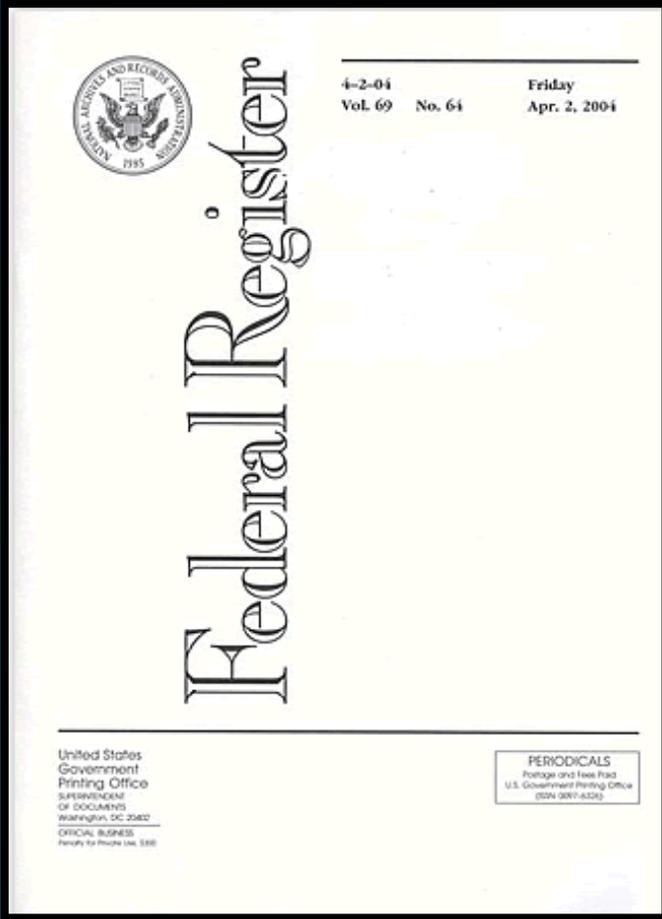
- May 2014 – September 2014: Plan was reviewed by ANSTF members and NISC policy liaisons.
- All comments have been addressed.
- Missing sections under chapter 6.0 have been incorporated or removed.
- At the beginning of October 2014, a final review was conducted and the plan was submitted to the ANSTF for approval.



Additional Comments

- Well written, and well constructed.
- Given the projected expense focus on governmental budgets, the authors should index their efforts to performance-based, measurable objectives.
- Revise Section 4.2, Management and Control Actions to Date, to describe, cite, and summarize existing management plans.
- Add a new objective for Goal 3 that consists of synthesizing the applied management activities in existing management plans to produce a document that agencies can immediately implement to support volunteer and agency efforts. This would give those in the field (boots on the ground) better directives on how to proceed.
- Incorporate some of the most recent publication on lionfish.

What's Next





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Questions?

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