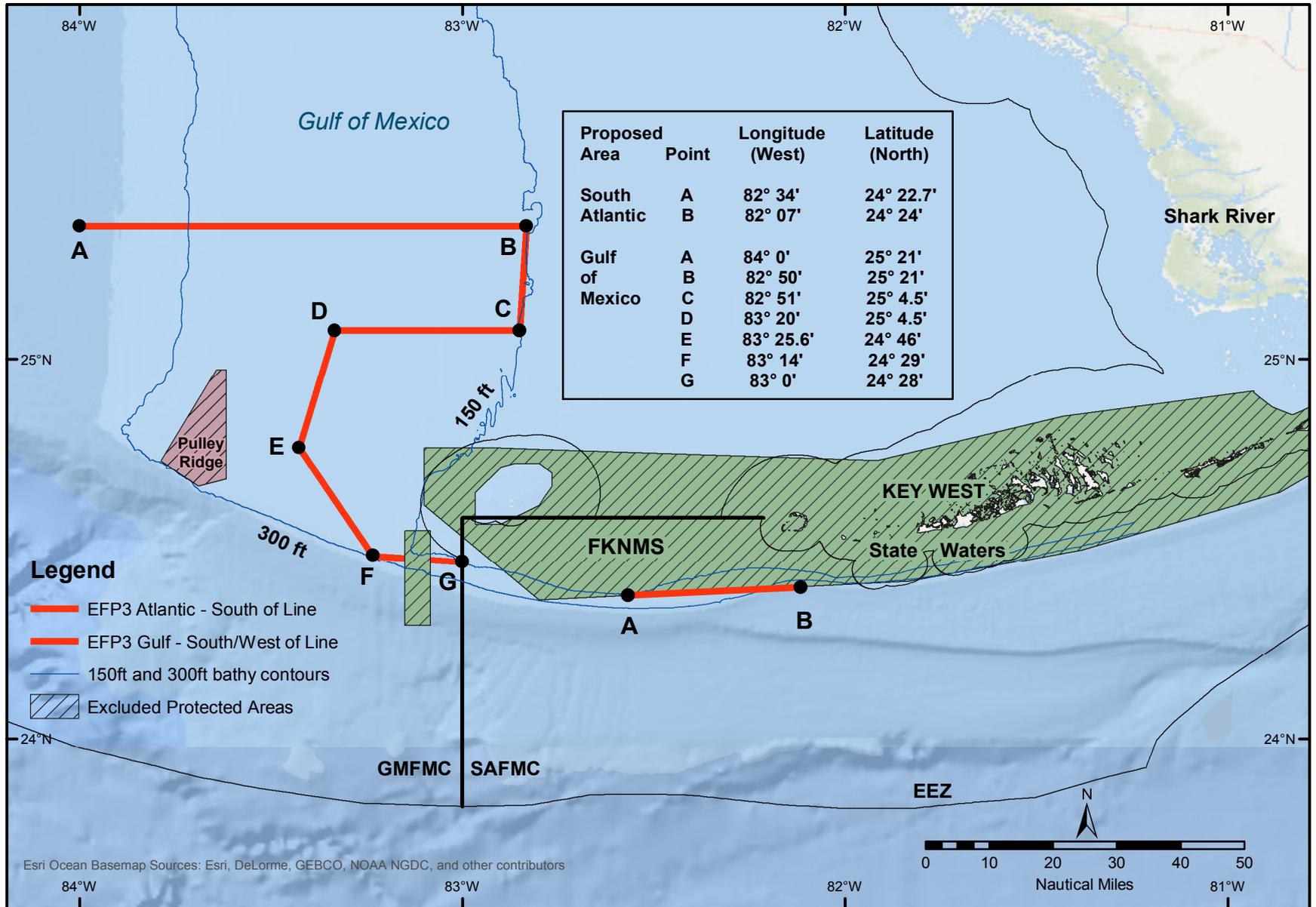


Proposed Project Areas



Each vessel to be covered by the EFP:

Vessel Name: Get Use to It
Owner's Name: Richard John Stiglitz
Telephone: 305-942-9836
Owner's Address: 17346 Keystone Road, Sugarloaf Key, FL 33042
Operator's Name: Richard Stiglitz
Vessel ID# 615390
Vessel Documentation Included? Yes

Vessel Name: Miss Barbara Ann
Owner's Name: Glenn Hewlett
Telephone: 305-664-7433
Owner's Address: 815 100th Street, Marathon, FL 33050
Operator's Name: Glenn Hewlett
Vessel ID# 609460
Vessel Documentation Included? Yes

Vessel Name: Tammy
Owner's Name: Ricardo Diaz
Telephone: 305-797-2312
Owner's Address: 1025 18th TERR, Key West, FL 33040
Operator's Name: Ricardo Diaz
Vessel ID# 904590
Vessel Documentation Included? Yes

Signature:



Date:

2/26/18

NOAA Fisheries Southeast Regional Office
Exempted Fishing Permit Application

Applicant Name: Richard John Stiglitz

Institution Affiliation (if applicable): Salty Bones Fisheries Inc.

Mailing Address: 17346 Keystone Road, Sugarloaf, FL 33042

Telephone Number: (305) 942-9836

Email: rachele6405@gmail.com; fish@keysfisheries.com

List the main purpose and goals of the exempted fishing activity, primarily describing research or project as well as justification for issuance of such permit: The main goals and objectives of the EFP are to test the effectiveness of different trap designs, described below, in catching only lionfish, and to do it sustainably, with no impacts to corals, EFH, or endangered species. All bycatch species will be released immediately back to the water or recompressed by sending them down inside the traps as they are redeployed to improve the survival of the fish. Detailed trip level records will be kept of gear, weight and line configurations, bait used, soak time, trap loss or movement, lionfish and bycatch catch rates, and protected species interactions. Observers will be welcomed if supplied by NOAA or FWC at no cost. The information collected will be used to determine which of the trap designs tested works best to reduce lionfish populations in deep water (150' to 300 ft') with minimal to no adverse environmental impacts.

Have you received an EFP/SRP/LOA/Display Permit for similar activity/research in previous years? No

Is this permit request the same as in previous years? N/A

Over how many years will the research take place? 2 years

When will these activities occur? Fishing would occur April 1-July 31, 2018 and April 1-July 31, 2019.

Where will these activities occur? Between 150' – 300' in the South Atlantic (south of the coordinates described in the table below) and Gulf of Mexico (southwest of the coordinates described in the table below) where we typically fish and where lionfish are known to occur. Fishing will not occur inside the Florida Keys National Marine Sanctuary or in any existing or future Habitat Areas of Particular Concern (HAPCs) or marine reserves, including the Pulley Ridge HAPC and the Tortugas South Ecological Reserve. The attached map illustrates the specific locations of the proposed project area, and the existing excluded protected areas. One-third of the fishing effort will be applied in the South Atlantic and two-thirds of the fishing effort will be applied in the Gulf. One of the vessels on this application (Miss Barbara Ann) will

fish the South Atlantic. The other two vessels on the application (Get Use to It; Tammy) will fish the Gulf.

Proposed Project Area Coordinates

	Point	Longitude (West)	Latitude (North)
South Atlantic	A	82° 34'	24° 22.7'
	B	82° 07'	24° 24'
Gulf	A	84° 0'	25° 21'
	B	82° 50'	25° 21'
	C	82° 51'	25° 4.5'
	D	83° 20'	25° 4.5'
	E	83° 25.6'	24° 46'
	F	83° 14'	24° 29'
	G	83° 0'	24° 28'

What type, size, and amount of gear will be used? All three trap designs will be fished in trawl configurations. Each trawl configuration will contain a combination of at least two and up to three of the trap designs described below to determine which trap works best. The three trap designs include:

- 1) Experimental NOAA designed lionfish trap depending on how many traps NOAA can supply or we can build, up to the amounts described below.
- 2) 32 x 26 x 16 ½ all wire (top entrance) spiny lobster trap with two modified funnels (2" x 6" and 3" x 6") to eliminate lobster and other bycatch and a 6" x 8" biodegradable panel: we will deploy 1500 traps of this type per trip in each of year 1 and year 2 (1000 in Gulf and 500 in South Atlantic)
- 3) 32 x 26 x 16 ½ wood and wire (top entrance) spiny lobster trap with two modified funnels (2" x 6" and 3" x 6") to eliminate lobster and other bycatch and a 6" x 8" biodegradable panel: we will deploy 1500 traps of this type per trip in each of year 1 and year 2 (1000 in Gulf and 500 in South Atlantic)

Total number of traps deployed at any one time:

Spiny lobster traps: 3,000 total in year 1 and in year 2 (1000 of each design in Gulf and 500 of each design in South Atlantic)

Experimental NOAA designed traps: Up to 15 total in year 1 (all 15 could be fished in Gulf or South Atlantic or the 15 could be divided between the two regions) and up to 120 total in year 2 (80 in Gulf and 40 in South Atlantic) depending on how many traps

NOAA can supply or we can build. These traps would be integrated into the spiny lobster trawls in year 1 and year 2. If they are proven functional and effective in catching lionfish with minimal environmental impact in a trawl configuration in year 1, then we may also test the practicality of deploying trawls with only this trap type in year 2.

Number of traps deployed per trip:

Spiny lobster traps: 500 of each type per vessel per trip in year 1 and in year 2 (1000 of each design deployed by two vessels in Gulf and 500 of each design deployed by one vessel in South Atlantic)

Experimental NOAA designed traps: Up to 15 total per vessel per trip in year 1 and up to 40 total per vessel per trip in year 2 (80 in Gulf and 40 in South Atlantic) depending on how many traps NOAA can supply or we can build. These traps would be integrated into the spiny lobster trawls in year 1 and year 2. If they are proven functional and effective in catching lionfish with minimal environmental impact in a trawl configuration in year 1, then we may also test the practicality of deploying trawls with only this trap type in year 2.

Number of traps per trawl line: 35-40

Description of trawl line: Same configuration we currently use for spiny lobster trawls (150' of line between traps and one buoy line to surface)

Bait used: Experimental NOAA designed traps would not be baited. Some spiny lobster traps would be baited with cowhide and fish heads, other spiny lobster traps would not be baited to determine the effect of bait on catch of lionfish and bycatch.

Soak times: 3-10 days

How many trips do you expect to take? Up to 4 trips per month from April through July (weather permitting)

What is the expected duration of each trip? 3 days

Species (target and incidental) expected to be harvested under the exempted fishing permit:

Targeting only lionfish. Any bycatch caught would be released or recompressed by sending them down inside the traps as they are redeployed to improve the survival of the fish.

Are protected species (i.e., smalltooth sawfish, sea turtles) and/or marine mammal encounters likely? No

Are activities federally funded? Not currently, but we may seek funding to purchase or build experimental NOAA designed traps (not to exceed 90 in year 1 and 600 in year 2)

How will data be collected? By observers if provided at no cost; otherwise by the captain. Data to be collected per trip include:

- Gear configuration and fishing effort data (e.g., date and time of deployment and retrieval, latitude, longitude, and water depth of each deployed trawl, bait type used)
- Soak time per area for each trawl
- Alternative weight and trawl configurations used in different sea states and conditions
- Trap loss and movement from original set position
- Protected species interactions
- Bycatch species, amount, and disposition, including corals, sponges, and other attached organisms
- Lionfish catch data for each trap type

We will summarize these data in annual reports to NOAA Fisheries and the Gulf and South Atlantic Councils. Any protected species interactions would be reported immediately through the appropriate channels, unless otherwise directed.

Arrangements for disposition of all regulated species harvested under the exempted fishing permit: Any bycatch would be documented and returned to the water; all lionfish catch would be sold to Keys Fisheries, Inc.

Any anticipated impacts on the environment, including impacts on fisheries, marine mammals, threatened or endangered species, and essential fish habitat: We expect to avoid or minimize bycatch impacts by using small funnel sizes and the experimental NOAA designed trap. We expect to avoid or minimize habitat and protected species impacts by deploying traps in deep waters away from corals and other sensitive habitats and by fishing traps in trawl configurations to minimize the amount of vertical buoy lines in the water. We anticipate this project will benefit the environment by reducing lionfish populations in deep water in the short term and by helping to identify an effective trap design that could be considered for approval in targeting deep water lionfish populations over the long term.

Which individuals should be listed as authorized samplers on your permit? Richard Stiglitz, Glenn Hewlett, Ricardo Diaz, and crew members (to be determined).

Each vessel to be covered by the EFP:

Vessel Name: Get Use to It
Owner's Name: Richard John Stiglitz
Telephone: 305-942-9836
Owner's Address: 17346 Keystone Road, Sugarloaf Key, FL 33042
Operator's Name: Richard Stiglitz
Vessel ID# 615390
Vessel Documentation Included? Yes

Vessel Name: Miss Barbara Ann
Owner's Name: Glenn Hewlett
Telephone: 305-664-7433
Owner's Address: 815 100th Street, Marathon, FL 33050
Operator's Name: Glenn Hewlett
Vessel ID# 609460
Vessel Documentation Included? Yes

Vessel Name: Tammy
Owner's Name: Ricardo Diaz
Telephone: 305-797-2312
Owner's Address: 1025 18th TERR, Key West, FL 33040
Operator's Name: Ricardo Diaz
Vessel ID# 904590
Vessel Documentation Included? Yes

Signature:

Date: