

DEEP WATER LIONFISH TRAP RESEARCH

LIONFISH TRAP DESIGNS

GITTINGS NONCONTAINMENT TRAP

A REBAR FRAME, NETTING, PLASTIC MESH FENCING AND A LATTICE FAD (FISH AGGREGATION DEVICE)



- DESIGN WILL CAPTURE FISH PRESENT AROUND FAD AT RETRIEVAL
- LIONFISH TEND TO CONGREGATE AROUND STRUCTURE ON OCEAN FLOOR: THE FAD PROVIDES THAT STRUCTURE
- CONSTRUCTED WITH INEXPENSIVE MATERIALS AND A WELDLESS FRAME
- DESIGNED TO REDUCE RISK OF BYCATCH, ENTANGLEMENT, AND GHOST FISHING

TRAP COMPONENTS

MODIFIED LOBSTER TRAP

STANDARD WIRE SPINY LOBSTER TRAP, TWO VERTICAL ESCAPE GAPS, NARROWED PLASTIC THROAT OPENING



- MODIFIED STANDARD WIRE SPINY LOBSTER TRAP
- NARROWED FUNNEL TO OMIT REGULATION SIZE LOBSTERS AND LARGER FISH
- ESCAPE GAPS TO ALLOW UNDERSIZED LOBSTERS AND SMALL FISH TO SWIM OUT
- DESIGNED BY FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION

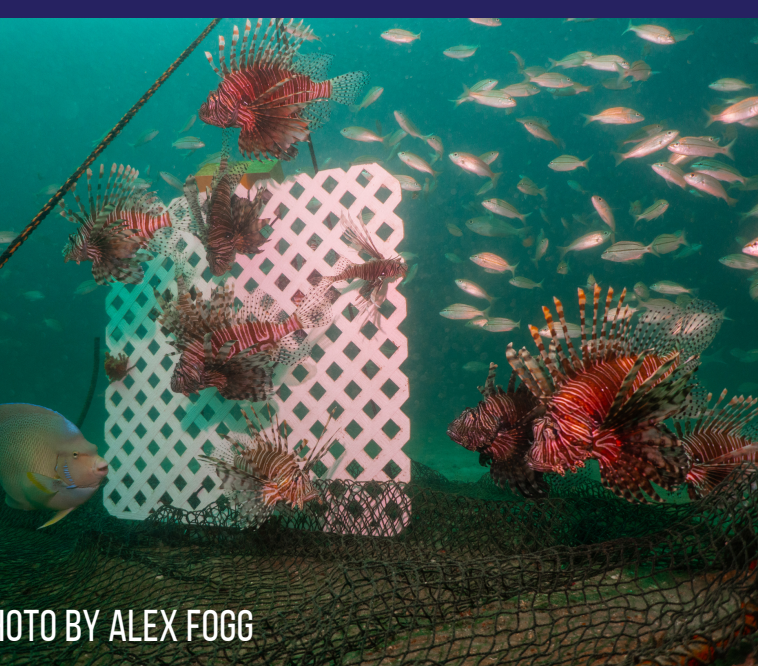
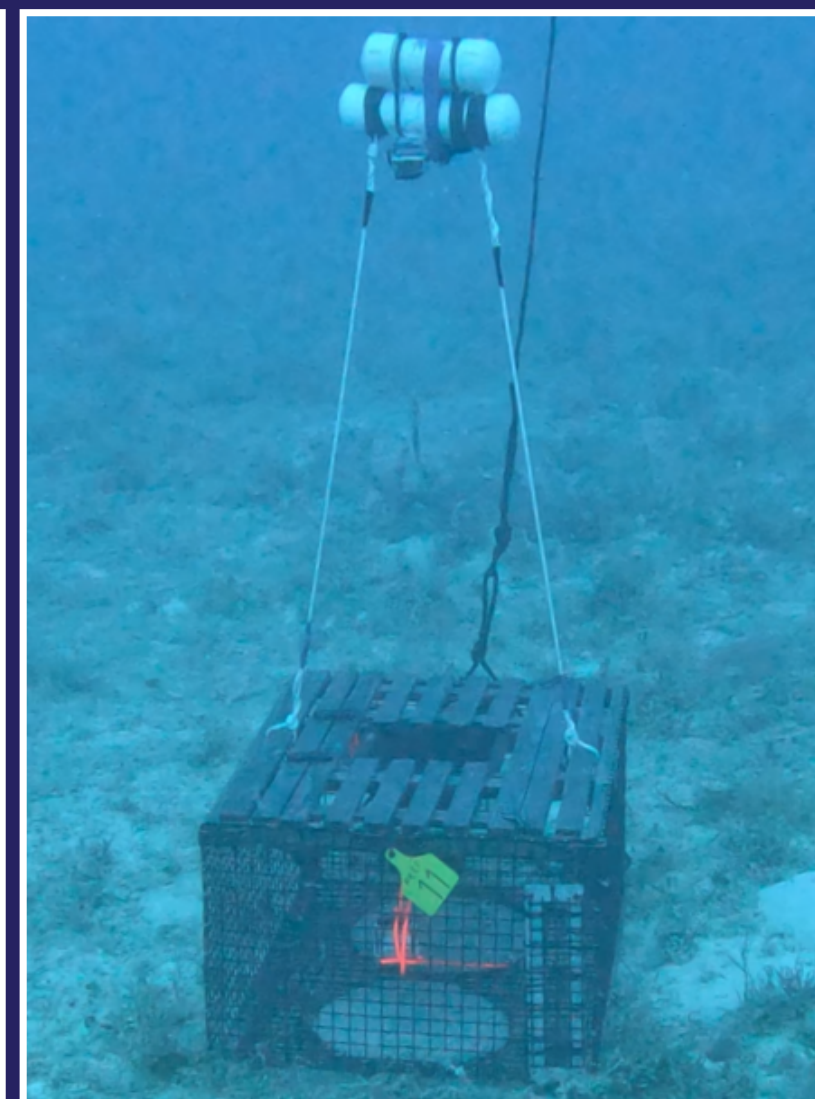
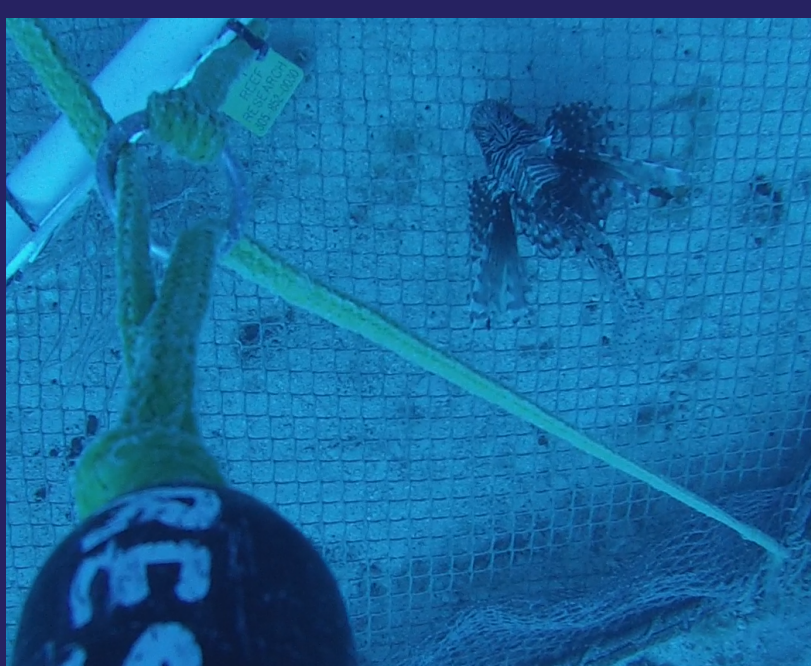
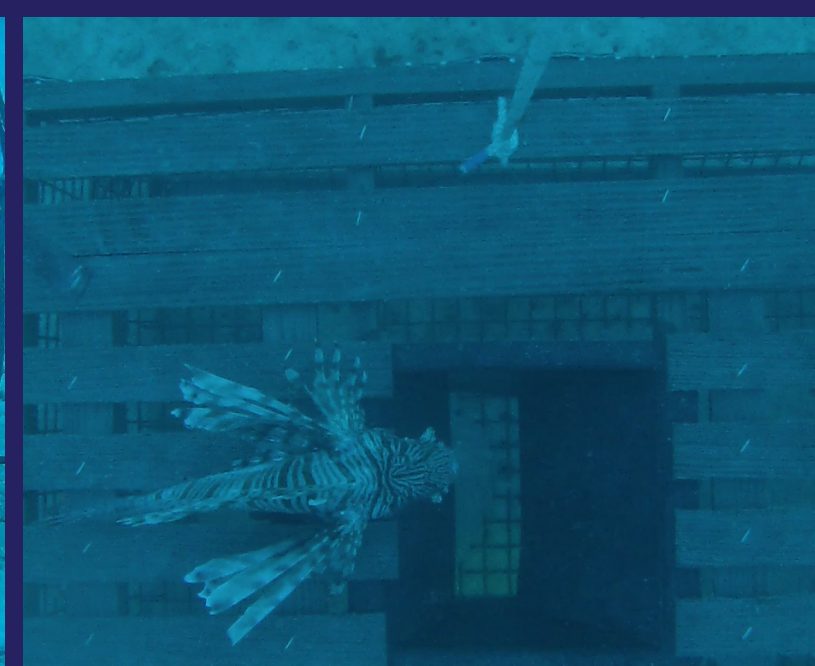
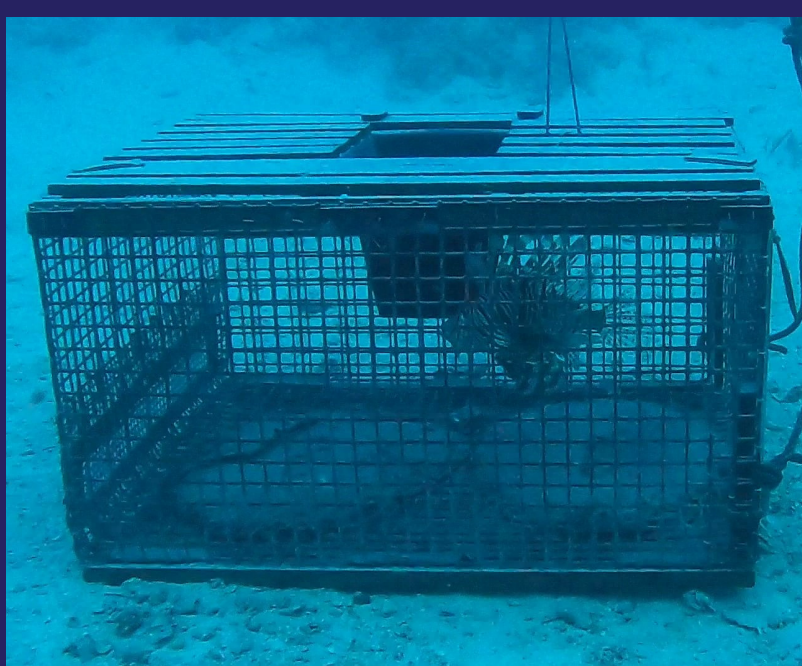


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SIMILARITIES OF TRAP DESIGNS

- NO BAIT TO ATTRACT NON-TARGETED SPECIES REDUCING BYCATCH
- TARGET LIONFISH IN DEEP WATER OUTSIDE OF RECREATIONAL SCUBA LIMITS
- SUPPORT EFFORTS TO MEET THE INCREASING DEMAND FOR LIONFISH IN THE SEAFOOD MARKET



ABOUT THE PROJECT

- EMPLOYING THE EXPERTISE OF FLORIDA KEYS LOBSTER FISHERMEN
- PROJECT PARTNERS WITH NOAA, FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FWC), AND COMMERCIAL FISHERMEN
- DETERMINING THE EFFICACY OF LIONFISH TRAPS OFF THE FLORIDA KEYS