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Costs and Earnings Survey Instrument

**PROFILE OF SMALL-SCALE COMMERCIAL FISHERIES IN THE U.S. CARIBBEAN
(Costs and Earnings Survey Instrument –English Version)**

Interviewer Name	Date	No. Contacts	Refusal reason	Survey #	Respondent's Name

The data you provide will be used to develop a socioeconomic profile of Caribbean small-scale fisheries. Everything we talk about will be confidential. When we finish our interviews and other work, we will write a report that summarizes everything we have learned. We will not use people's names in our reports, or write about anything that is sensitive. Participation in this survey is voluntary, and you do not need to answer any questions you do not wish to answer. However, we strongly encourage you to participate. You have a vital stake in the way fishery decisions are made, and only you can provide valuable information, which will be used to strengthen the management, protection, and conservation of marine resources. If you agree that sounds okay and if you do not have any questions, I would like to start by asking you a few basic questions about you and your fishing operation.

Puerto Rican Trap and Dive Study: Spiny lobster and Queen conch

Name:

Cell

Estate where live:

Zip Code:

Demographic information

1. What is your role on the boat?

Owner and operator

Hired captain

Crew/diver

Other:_____

2. How many years of experience do you have as a commercial fisherman? _____ years

3. How old are you? _____ years

4. What is the highest level of formal education?

Less than High School

High School

University/Technical Courses/Associate Degree

5. How would you describe your degree of participation in fishing?

Full-time

Part-time

No longer fish

6. What percentage of your overall **household income** is derive from **fishing and selling fish**? ____%

7. If not 100%, what other activities do you engage in? _____

Fishing Trip

8. What goal or objective do you have in mind for your fishing trip? (e.g., catch as many fish as possible, earn a certain amount of money per trip, fulfil an order from a client- describe, other? Explain:

Main Gear/ target species	Explain fishing objective
Main gear: SCUBA Target: Conch	
Main gear: SCUBA Target: Conch	
Main gear: Traps Target: Lobster	
Main gear: Trammel Net Target: Lobster	

Main gear: Lobster & fish traps	Target species: Lobster	
Number trips per week	# ____ trips/week	
Habitat and depth range (ft)	Habitat ____ depth range: ____ ft	
Average number of traps hauled during trip?		
a) Lobster traps	# ____ lobster (soak time ____ days)	
b) Fish traps	# ____ fish (soak time ____ days)	
Trip duration (hrs)	# ____ hrs/trip	
Average Catch (lbs/trip)		
a) Lobster	# ____ lbs	
b) Conch	# ____ lbs	
c) Fish	# ____ lbs	
d) Other: ____	[Species: ____] # ____ lbs [Species: ____]	
Total crew size (all, inc. captain)	# ____	
Other gears used in this trip? Check all that apply	Dive # ____ tanks Nets # ____ nets Lines # ____ lines Other # ____	
Costs per trip (\$/trip)		
a) Fuel and oil	\$ ____ /trip	
b) Gallons of fuel used per trip	# ____ gal./trip	
c) Truck fuel cost per trip:	\$ ____ /trip	
d) Ice	\$ ____ / trip (<input type="checkbox"/> Make my own)	
e) Bait	\$ ____ /trip	
f) Food	\$ ____ /trip	
g) Air supply	# ____ tanks \$/tank ____ (air refill)	
h) Other expenses : ____	\$ ____ /trip	
Average gross revenue per trip:	\$ ____	

Gross revenue range: Very good trip \$_____/trip vs. Poor trip \$_____/trip

Main gear: SCUBA	Target species: Lobster	Target species: Conch
Number trips per week	# ____ trips/week	# ____ trips/week
Habitat and depth range (ft)	Habitat ____ depth range: ____ ft	Habitat ____ depth range: ____ ft
Trip duration (hrs)	# ____ hrs/trip	# ____ hrs/trip
a) Total crew size (all, inc. captain)	# ____	# ____
b) Number of divers	# ____	# ____
c) Tanks per diver	# ____ tanks/diver	# ____ tanks/diver
d) Number of spearguns	# ____	# ____
e) Number of snares	# ____	# ____
Average Catch (lbs/trip)		
a) Lobster	# ____ lbs	# ____ lbs
b) Conch	# ____ lbs	# ____ lbs
c) Fish	# ____ lbs	# ____ lbs
d) Other	[Species: ____] # ____ lbs	[Species: ____] # ____ lbs
	[Species: ____]	[Species: ____]
Other gears used in this trip? Check all that apply	Traps # ____ traps Nets # ____ nets Lines # ____ lines Other # ____	Traps # ____ traps Nets # ____ nets Lines # ____ lines Other # ____
Costs per trip (\$/trip)		
a) Fuel and oil	\$ ____ /trip	\$ ____ /trip
b) Gallons of fuel used per trip	# ____ gal./trip	# ____ gal./trip
c) Truck fuel cost per trip:	\$ ____ /trip	\$ ____ /trip
d) Ice	\$ ____ / trip (<input type="checkbox"/> Make my own)	\$ ____ / trip (<input type="checkbox"/> Make my own)
e) Bait	\$ ____ /trip	\$ ____ /trip
f) Food	\$ ____ /trip	\$ ____ /trip
g) Air supply	# ____ tanks \$/tank ____ (air refill)	# ____ tanks \$/tank ____ (air refill)
h) Other expenses : _____	\$ ____ /trip	\$ ____ /trip
Average gross revenue per trip:	\$ ____	\$ ____

Gross revenue range (SCUBA/Lobster main target)

Very good trip \$ ____/trip vs. Poor trip \$ ____/trip

Gross revenue range (SCUBA/Conch main target) :

Very good trip \$_____/trip vs. Poor trip \$_____/trip

Main gear: Trammel Net	Target species: Lobster	
Number trips per week	#____trips/week	
Habitat and depth range (ft)	Habitat____ depth range:____ ft	
Average number of trammel nets hauled during trip?		
a) Lobster trammel net	#____ lobster (soak time____ days)	
b) Fish trammel net	#____ fish (soak time____ days)	
Trip duration (hrs)	#____ hrs/trip	
Average Catch (lbs/trip)		
a) Lobster	#____ lbs	
b) Fish	#____ lbs	
c) Other:_____	[Species:_____] #____ lbs	
	[Species:_____] #____ lbs	
Total crew size (all, inc. captain)	#____	
Other gears used in this trip? Check all that apply	Dive #____ tanks Traps #____ nets Lines #____ lines Other #____	
Costs per trip (\$/trip)		
i) Fuel and oil	\$_____/trip	
j) Gallons of fuel used per trip	#____ gal./trip	
k) Truck fuel cost per trip:	\$_____/trip	
l) Ice	\$_____/trip (Make my own)	
m) Bait	\$_____/trip	
n) Food	\$_____/trip	
o) Air supply	#____ tanks \$/tank____ (air refill)	
p) Other expenses :_____	\$_____/trip	
Average gross revenue per trip:	\$____	

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Gross revenue range: Very good trip \$_____/trip vs. Poor trip \$_____/tri

Investment in Fishing Boats, Gear and Equipment. Tell us about your primary boat, where you conduct your trap fishing.

9. How many boats do you own? ____ boats

Primary Vessel	Working condition	Length (ft)	Hull Material	Number of engines	Value of vessel and engines in current condition (\$)
Main (primary)	Yes/No	____ ft	<input type="radio"/> Fiberglass <input type="radio"/> Wood <input type="radio"/> Fiber/wood <input type="radio"/> Aluminum <input type="radio"/> Steel <input type="radio"/> Other: _____	Number: _____ Outboard Yes/No Inboard Yes/No Both Yes/No <input type="radio"/> Diesel: <input type="radio"/> Gasoline: HP (1): _____ HP (2): _____ HP (3): _____ HP (4): _____	\$ _____

10. Last year, approximately how much did you spent **maintaining and repairing your boat and engines**? \$ _____

11. Do you own any of the following pieces fishing and safety equipment? Check all that apply.

- ☐ Trap puller/hauler (winch) (Electric Hydraulic Manual)
- ☐ Reel (Manual Electric Hydraulic)
- ☐ GPS Depth finder
- ☐ Cell Fish finder Radio EPIRB Other: _____

Crew dynamics

12. Who are the members of your fishing crew? (Select all that apply)

Family

Friends

Acquaintances

Other: _____

13. How easy or hard is to recruit crew members for your fishing trips?

very hard

hard

easy

very easy

Don't know

No answer

14. Besides helping with fishing related activities, do your crew members help you with following? (check all that apply)

- ☐ Selling and marketing fish
- ☐ Building or repairing gear such as traps
- ☐ Repairing boat and/or engine
- ☐ Provide you with loans to cover fishing trips (e.g, gasoline), gear and engine maintenance expenses, etc.
- ☐ None of the above

15. How do you pay your crew?

- ☐ Share system (everybody gets a percentage after deducting costs such as gasoline, food, bait, etc)
- ☐ Fixed payment
- ☐ Combination (share and fixed payment)
- ☐ Other: _____

Seafood Marketing

16. Rank the top 3 markets for selling **lobster and conch**? (e.g., restaurant, roadside, hotel, govt market, personal clients, dealer, etc)

Main Lobster Markets	Percentage of sales (%)	Average Price (\$/lb)
Most important market :		
2nd most important :		
3rd most important :		
Main Conch Markets	Percentage of sales (%)	Average Price (\$/lb)
Most important market :		
2nd most important :		
3rd most important :		

17. How do you decide on your fish prices? (Select all that apply)

- ☐ I accept the price offered by fish buyers or fish cooperative
- ☐ I use the same prices as other fishers
- ☐ I charge what buyers are willing to pay (or buyer interest)
- ☐ I negotiate the price with buyers
- ☐ I set my own price based on my costs and what I need to earn
- ☐ Other way (please tell us): _____

18. How many freezers (not coolers) to store fish you own? _____

19. How do you manage your inventory? (Select all that apply)

Method	Lobster	Conch
Immediate sale of catch		
Holding tanks/live well		
Short-term ice storage		
Refrigeration/freezing		
Processing (boiling tails, smoking, drying, etc.)		
Other (please specify)_____		

20. Do you take orders for your catches before going on a trip?

- ☐ Never
- ☐ Rarely (less than 25% of trips)
- ☐ Sometimes (25-50% of trips)
- ☐ Often (51-75% of trips)
- ☐ Always (more than 75% of trips)

Investment in diving equipment

21. Do divers bring their own diving equipment (tanks, snares, spearguns)? Yes No (boat provides them with it)

22. Approximate value (in current condition) of **overall investment in diving equipment** (tanks, snares, mask, bc, etc)? \$ _____

23. Last year, approximately how much did you **spent maintaining and repairing your diving equipment**? \$ _____

24. How many times have you had the bends in your life #_____ and in the last 3 years #_____?

25. How many times have you been the hyperbaric chamber in your life? # _____

Investment in fish and lobster traps

Traps/Pots	Total number <u>owned</u>	Total number <u>in the water</u>	Total number <u>hauled per trip</u>	Number of traps per string	Type and number <u>hauled per trip</u>
Lobster	# _____	# _____	# _____	# _____ per string Buoyed Yes No	Square # _____ Rectangular # _____ Round # _____ Arrowhead # _____ Z (o S) shaped # _____ Other: _____ # _____
Fish	# _____	# _____	# _____	# _____ per string Buoyed Yes No	Square # _____ Rectangular # _____ Round # _____ Arrowhead # _____ Z (o S) shaped # _____ Other: _____ # _____

26. What is the **cost of your most common single trap** (without ropes and bouys) and how long does it last?

Value \$ _____ single most common trap (without ropes and bouys) How long do traps last: _____ months or years

27. Approximate value (in current condition) of **overall investment in lobster and fish traps**, including ropes and bouys? \$ _____

28. Last year, approximately how much did you **spent maintaining and repairing your traps**? \$ _____

Investment nets

29. Approximate value (in current condition) of **overall investment in lobster trammel nets**? \$ _____

30. Value of a lobster trammel net \$ _____

31. Last year, approximately how much did you **spent maintaining and repairing your trammel nets**? \$ _____
