

BPTT SURVEY

FEASIBILITY STUDY FOR THE CONSTRUCTION OF AN ARTIFICIAL REEF

Survey Objectives:

1. **Examine current fishing activity in the south east of Trinidad in general, and specifically in the area of BpTT's drilling operations.**
 2. **Gather information on the perceptions and recommendations of the fishing industry in relation to BpTT's proposal to construct an artificial reef to enhance fisheries production and improve catches.**
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Date _____

Questionnaire # _____

Location _____

Good morning/ afternoon/ evening. My name is _____. I am working with Coastal Dynamics, a marine environmental consulting firm. We are conducting a study on behalf of BpTT, into the feasibility of constructing an artificial reef in this area. Could you please spare some time to participate in this survey?

1.0 CHARACTERISTICS OF INTERVIEWEE

1.1 Name: _____ (Optional) Age: _____ Sex: M ___ F ___

1.2 Address: _____

1.3 How long have you been living in the area? _____

1.4 Is fishing your main source of income (job)? _____

1.5 How long have you been fishing? _____

1.6 Do you have any other sources of income (type of work)? _____

2.0 RESOURCE USE

2.1 Are you registered as a fisher with the Fisheries Division? _____

2.2 How long have you been operating from this site? _____

2.3 Do you operate from any other site? _____

2.4 What size of fishing vessel do you operate? _____ **(relevant for Ortoire)**

2.5 Do you own the vessel you operate? _____

2.6 Where do you fish? (Indicate fishing area on map provided) _____

2.7 What is your main method of fishing?

Surface Line(towing/ trolling) _____ Bottom line(banking)_____ (palangue)_____
Gillnet _____ Fish pot _____ Seine _____
Other _____

2.8 Do you practice any other methods of fishing? (Indicate other methods) _____

2.9 What types of fish do you catch and at what times of the year?

Method of fishing	Types of fish caught	Time of year
Surface lines (towing or trolling)		
Bottom lines(banking)		
Gillnet		
Fishpot		
Seine		
Other		

2.10 How many days per week do you go fishing? _____

2.11 What might prevent you from going fishing? _____

2.12 Have you seen any changes in the **amount of fish** caught over the last five years?

No, the same _____ Increase _____ Decrease _____

2.13 Have you seen any changes in the **types of fish** caught over the last five years? _____

Types of fish	Same	Increase	Decrease

2.14 Have you seen any changes in the **sizes of fish** caught over the last five years?_____

Types of fish	No change	Increase in size	Decrease in size

2.15 What do you think are the reasons for any changes that you may have seen in the amount and types of fish caught?

Industrial Pollution (Oil and gas)_____

Man-made pollution (garbage, sewage)_____

Over-fishing _____

Impact of oil and gas operations on the resources_____

Natural environmental changes_____

Other_____

2.16 Have you had to change any aspect of your fishing operations to maintain your livelihood?_____ **(If no, go to 3.0)**

2.17 What type(s) of change(s)?_____

2.18 Has this been successful?_____

2.19 What (if any) other changes will you make in the future?_____

3.0 THE PROJECT

BpTT is examining the feasibility of putting down an artificial reef in one location off the south east coast of Trinidad in order to improve fisheries production and improve catches.

3.1 Have you heard of artificial reefs? _____

3.2 Do you think that artificial reefs are good for the fishing industry? _____

The following questions attempt to determine the fishers understanding of how an artificial reef may interact with the fisheries resources and their expectations of the impacts on their fishing operations.

3.3 Do you think that artificial reefs improve fisheries production/ increase the amount of fish in the sea? _____ **(If no go to 3.5)**

3.4 Can you explain how this may happen? _____

3.5 Do you think artificial reefs attract (and concentrate) fish from surrounding areas? _____ **(If no go to 3.6)**

3.6 In your opinion, can this be harmful in any way to the fisheries? _____

3.7 Do you think that it is a good idea to construct an artificial reef in this area? _____

3.8 Can you suggest a good location for the placement of a reef? _____

3.9 Would you be interested/ willing to help with the construction of the reef? _____

If an artificial reef is constructed in this area, it may be necessary to monitor the development of the reef and manage its use.

3.10 If an artificial reef is constructed in this area, do you think it should be protected or open for use right away? _____

3.11 Do you think the use of the reef should be controlled in any way (ie. types of fishing, seasons, numbers of boats)? _____

3.12 Would you have a problem if fishermen from any other area came to fish on the reef? _____

3.13 Do you have any suggestions about who should manage the use of the reef and how?

3.14 Do you think a fisherman's organization would be able to manage the reef?_____

Can the fishermen in the area suggest other preferred alternatives for improving fisheries production and the livelihood of fishermen in the area.

3.15 Do you think that there are other, better ways to improve fisheries production /increase the amount of fish in the sea?_____

3.16 Do you think there are other, better ways to improve the lives of fishermen in this area?

3.17 What would be your suggestions to BpTT to improve the lives of the fishermen/ community in this area?

Name of Interviewer:_____ Signature:_____

Interviewers Comments: _____

