

## Carriacou, Sandy Island/ Oyster Bed Marine Protected Area Socio Economic Monitoring (SocMon) Survey of Nearby Communities

### Points to note

- ❖ N = The total number of surveys was 90.  
n = the number of people who actually responded to the question
- ❖ Responses such as **I Don't Know**, **Not applicable**, **No response** are defined as missing values for SPSS (Statistical Package for Social Sciences) and are coded as 77, 88 and 99 respectively. When defined, SPSS excludes the user's missing data from the analysis.

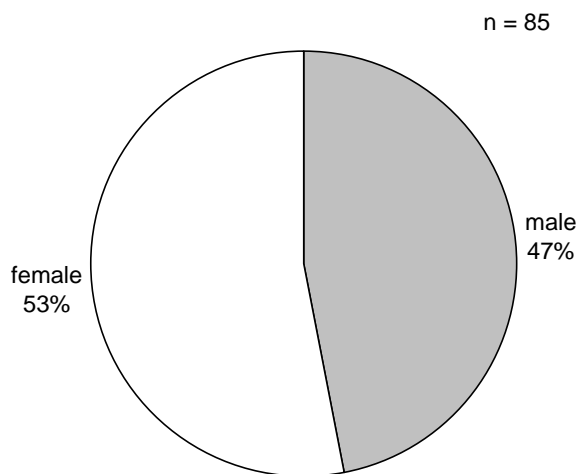
### Survey questions & results

*Record the gender without asking it*

1) Male      Female

**Table 1: Gender distribution of respondents**

Gender	Frequency	Percent
male	40	47
female	45	53
Total	85	100
no response	5	
Grand Total	90	



**Figure 1: Gender distribution of respondents**

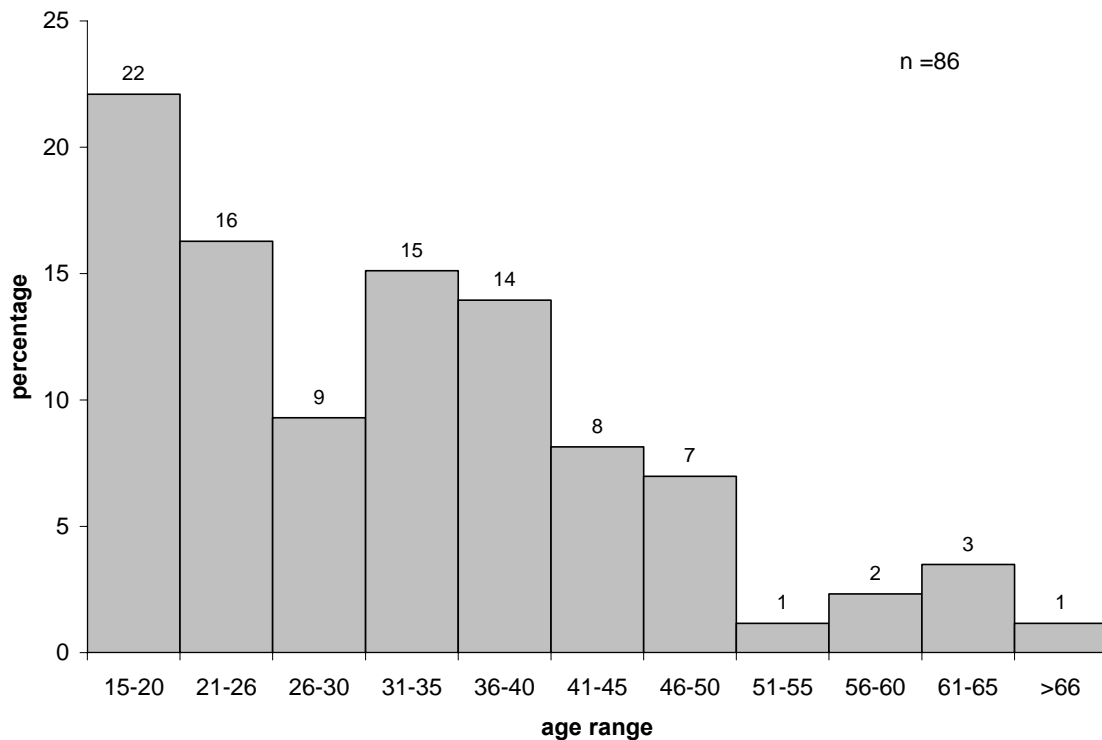
2) How old are you (*read out categories*)

15-20 21-26 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65  
66-over

*guess the respondent's age if he/she is unwilling to give it*

**Table 2: Age range of respondents**

Age range	Frequency	Percent
15-20	19	22
21-26	14	16
26-30	8	9
31-35	13	15
36-40	12	14
41-45	7	8
46-50	6	7
51-55	1	1
56-60	2	2
61-65	3	3
>66	1	1
Total	86	100
no response	4	
Grand Total	90	

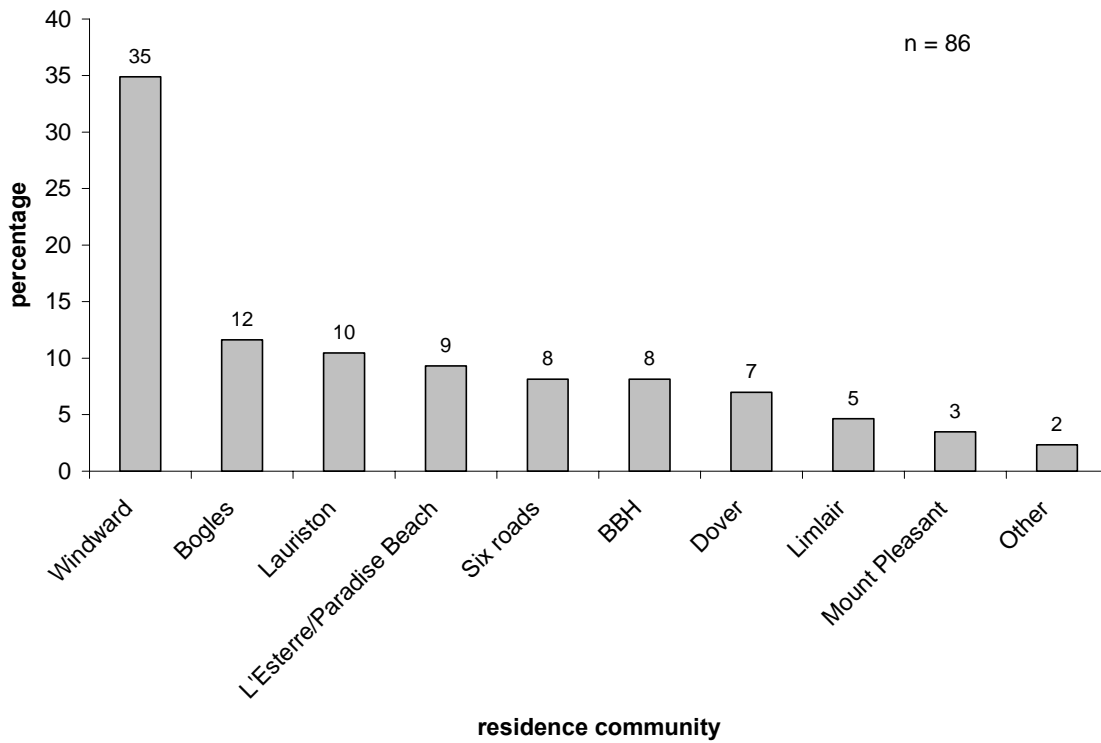


**Figure 2: Age groups of respondents**

3) Where do you live?

BBH Hillsborough L'Esterre/Paradise Beach  
 Bogles Windward Mt. Pleasant Others \_\_\_\_\_

<b>Table 3: Residence community of respondents</b>		
Residence community	Frequency	Percent
BBH	7	8
Bogles	10	12
Windward	30	35
L'Esterre/Paradise Beach	8	9
Mount Pleasant	3	3
Dover	6	7
Lauriston	9	10
Limlair	4	5
Six roads	7	8
Other	2	2
Total	86	100
no response	4	
Grand Total	90	

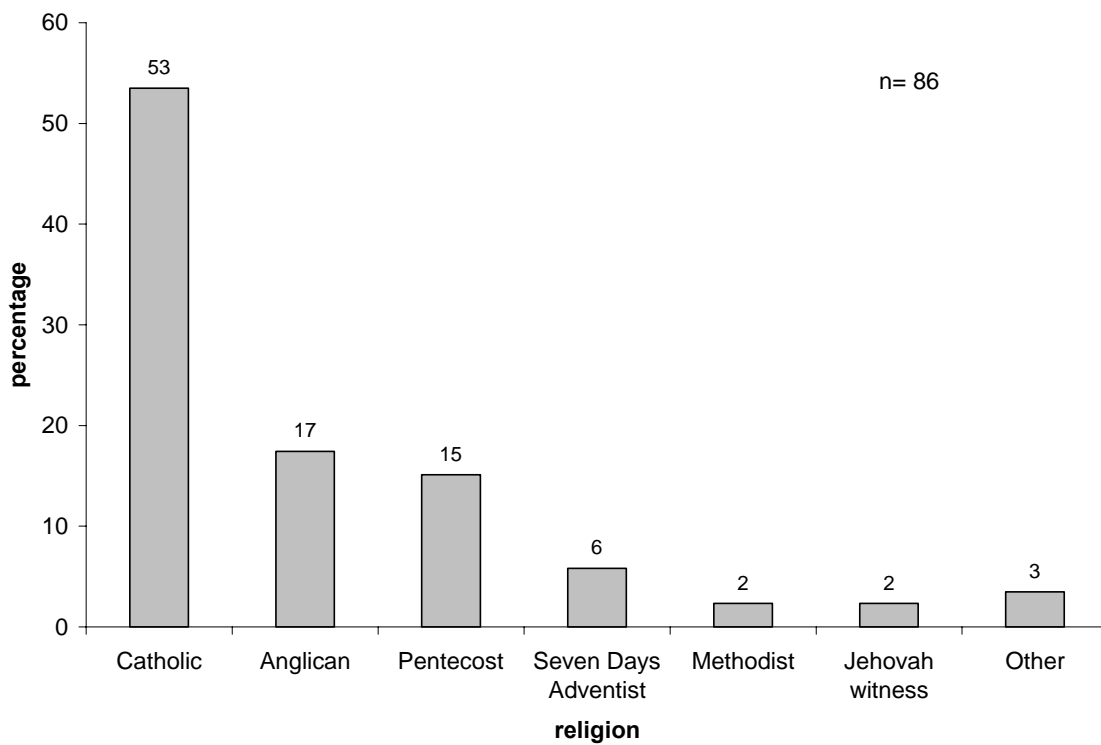


**Figure 3: Residence community of respondents**

4) What religion are you? (Read out categories)

Catholic      Anglican      Pentecost      Seven Days Evangelist  
 Other \_\_\_\_\_

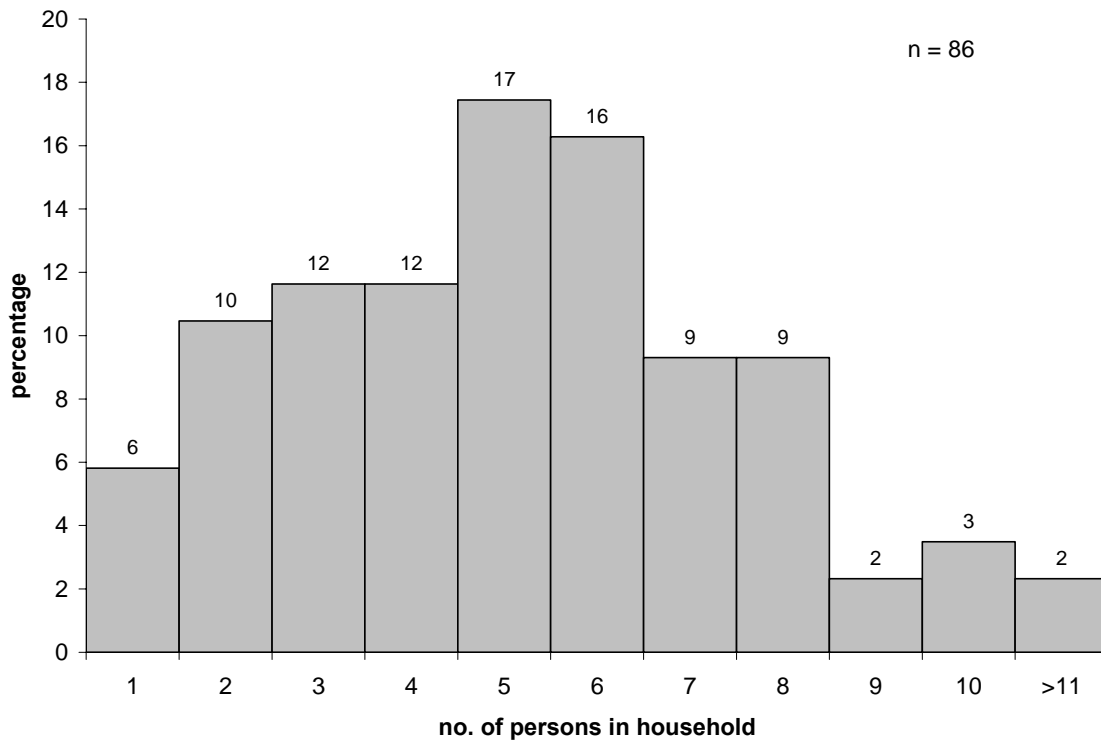
Religion	Frequency	Percent
Catholic	46	53
Anglican	15	17
Pentecost	13	15
Seven Days Adventist	5	6
Methodist	2	2
Jehovah witness	2	2
Other	3	3
Total	86	100
no response	4	
Grand Total	90	



**Figure 4: Religion of respondents**

5) No. of persons in the household: \_\_\_\_\_

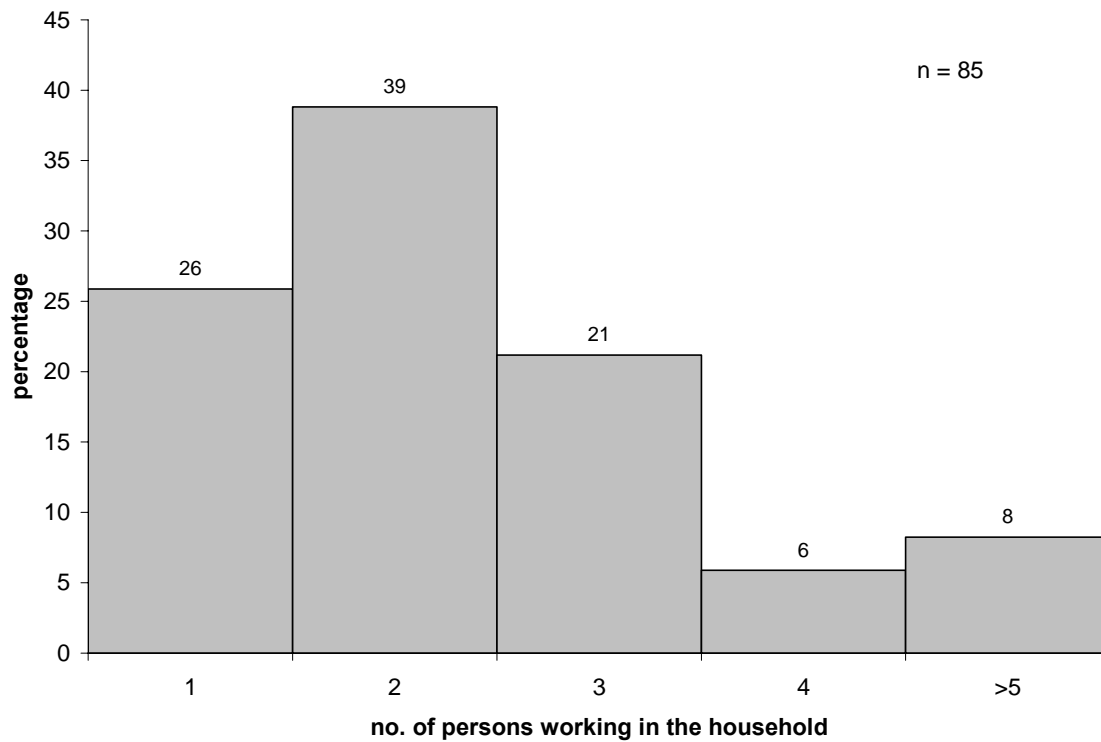
<b>Table 5: Number of persons in household</b>		
Persons of persons	Frequency	Percent
1	5	6
2	9	10
3	10	12
4	10	12
5	15	17
6	14	16
7	8	9
8	8	9
9	2	2
10	3	3
>11	2	2
Total	86	100
no response	4	
Grand Total	90	



**Figure 5: Number of persons in household**

6) How many persons working in the house hold? \_\_\_\_\_

Number of Persons	Frequency	Percent
1	22	26
2	33	39
3	18	21
4	5	6
>5	7	8
Total	85	100
no response	4	
System	1	
Total	5	
Grand Total	90	



**Figure 6: Number of persons working in the household**

7) What was your highest level of education?

None    Primary    Secondary    College  
Post-graduate studies- Masters,    Doctorate

University-Bachelors

Table 7: Educational level of respondents		
Educational level	Frequency	Percent
primary	24	29
secondary	41	49
college	16	19
bachelors	2	2
Total	83	100
no response	7	
Grand Total	90	

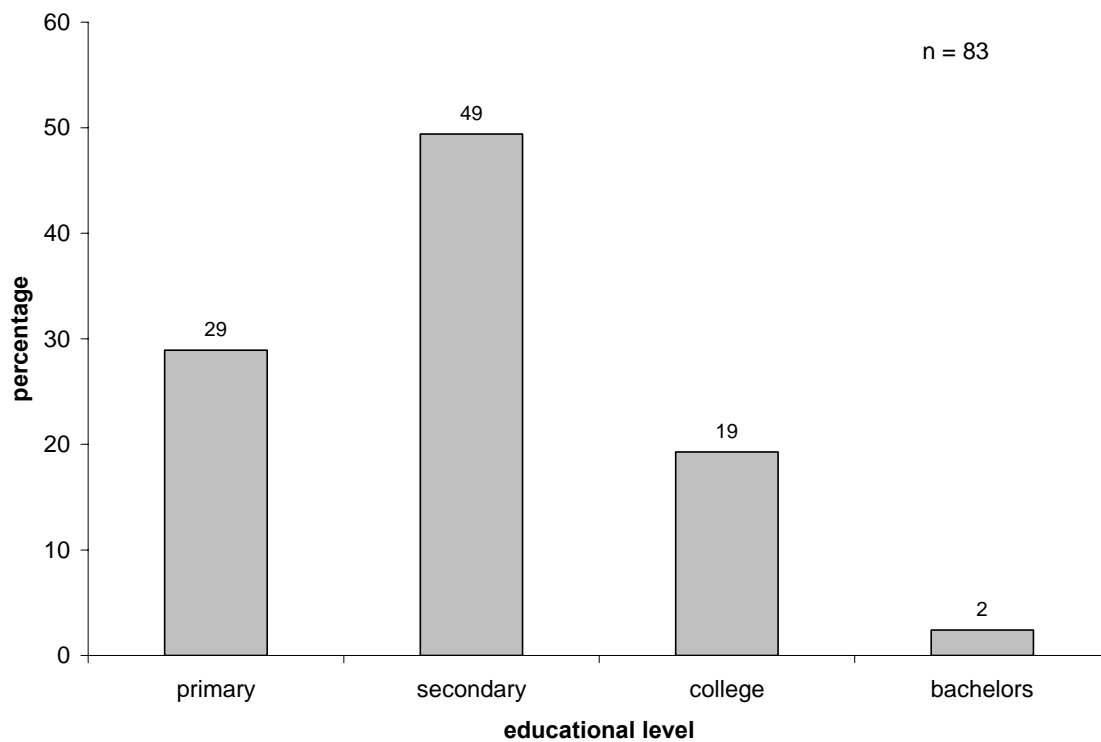
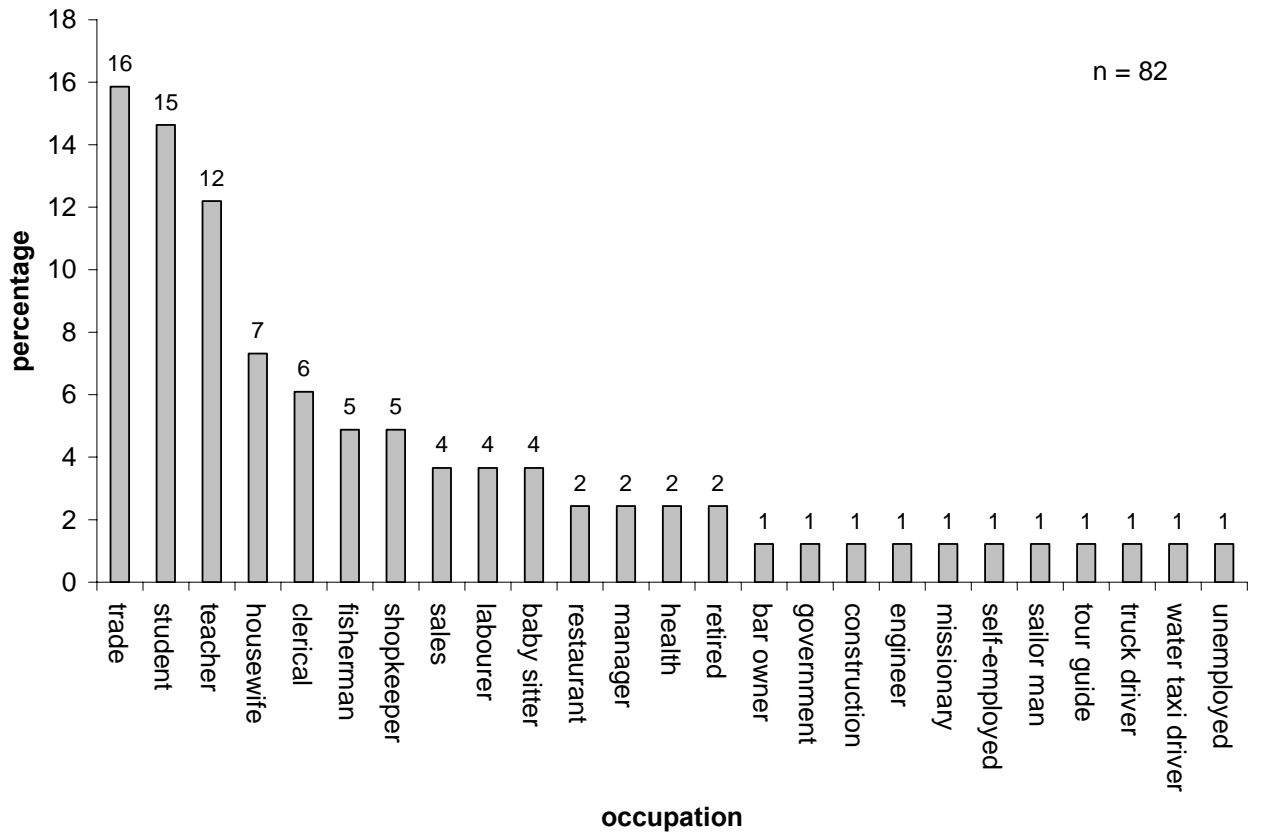


Figure 7: Educational level of respondents

8) What is your occupation? \_\_\_\_\_

<b>Table 8: Occupation of respondents</b>		
Occupation	Frequency	Percent
baby sitter	3	4
clerical	5	6
trade	13	16
sales	3	4
bar owner	1	1
construction	1	1
restaurant	2	2
engineer	1	1
fisherman	4	5
government	1	1
housewife	6	7
labourer	3	4
manager	2	2
missionary	1	1
health	2	2
self-employed	1	1
retired	2	2
sailor man	1	1
student	12	15
shopkeeper	4	5
teacher	10	12
tour guide	1	1
truck driver	1	1
water taxi driver	1	1
unemployed	1	1
Total	82	100
no response	8	
Grand Total	90	

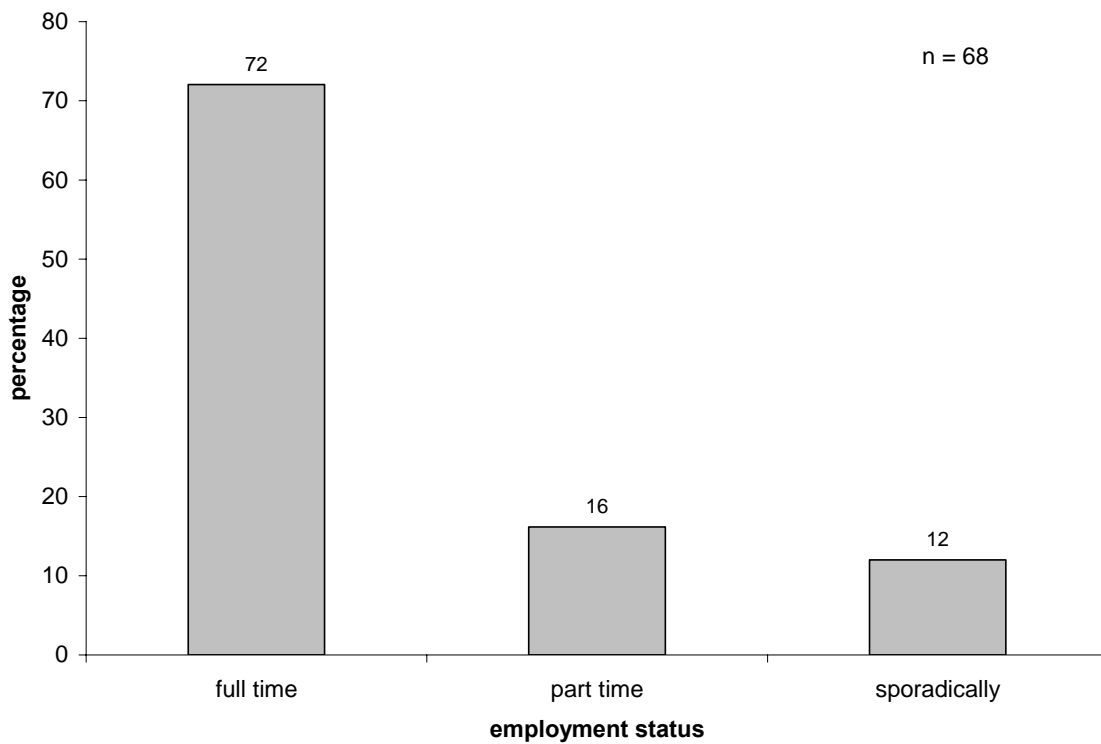


**Figure 8: Occupation of respondents**

NB: trade includes jobs such as carpenter, electrician, mason

9) Are you employed            Full Time            Part Time            Sporadically  
 Other \_\_\_\_\_

<b>Table 9: Employment status of respondents</b>		
Employment status	Frequency	Percent
full time	49	72
part time	11	16
sporadically	8	12
Total	68	100
not applicable	2	
no response	20	
Total	22	
Grand Total	90	

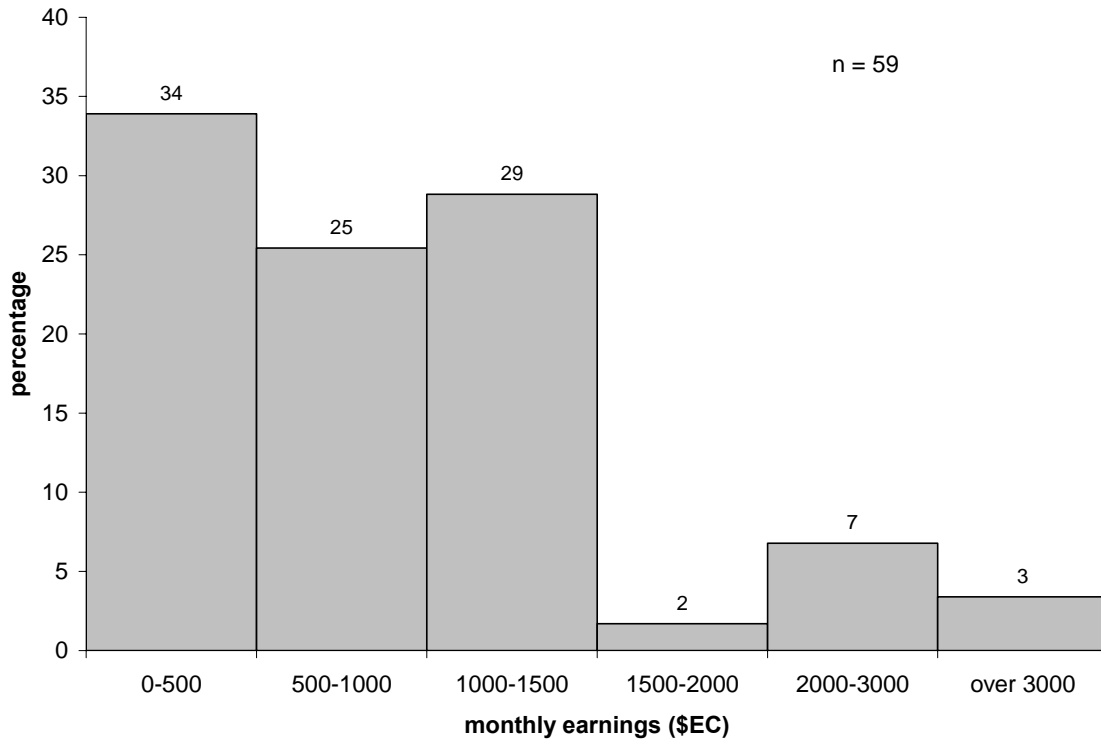


**Figure 9: Employment status of respondents**

10) How much do you earn monthly? (*read out categories*)

- 0 – 500                       500 – 1000                       1000 – 1500                       1500 – 2000  
 2000 – 3000                       over 3000

<b>Table 10: Monthly earnings of respondents</b>		
Monthly earnings (\$EC)	Frequency	Percent
0-500	20	34
500-1000	15	25
1000-1500	17	29
1500-2000	1	2
2000-3000	4	7
over 3000	2	3
Total	59	100
no response	31	
Grand Total	90	

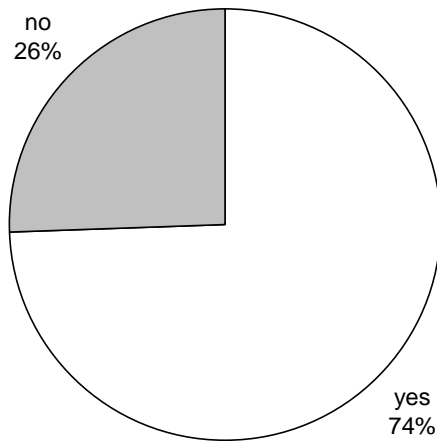


**Figure 10: Monthly earnings (\$EC) of respondents**

11) Have you ever heard about the Sandy Island /Oyster Bed Project?  
Yes No \_\_\_\_\_

<b>Table 11: Whether respondent have heard about SIOBA</b>		
Heard of SIOBA	Frequency	Percent
yes	64	74
no	22	26
Total	86	100
no response	4	
Grand Total	90	

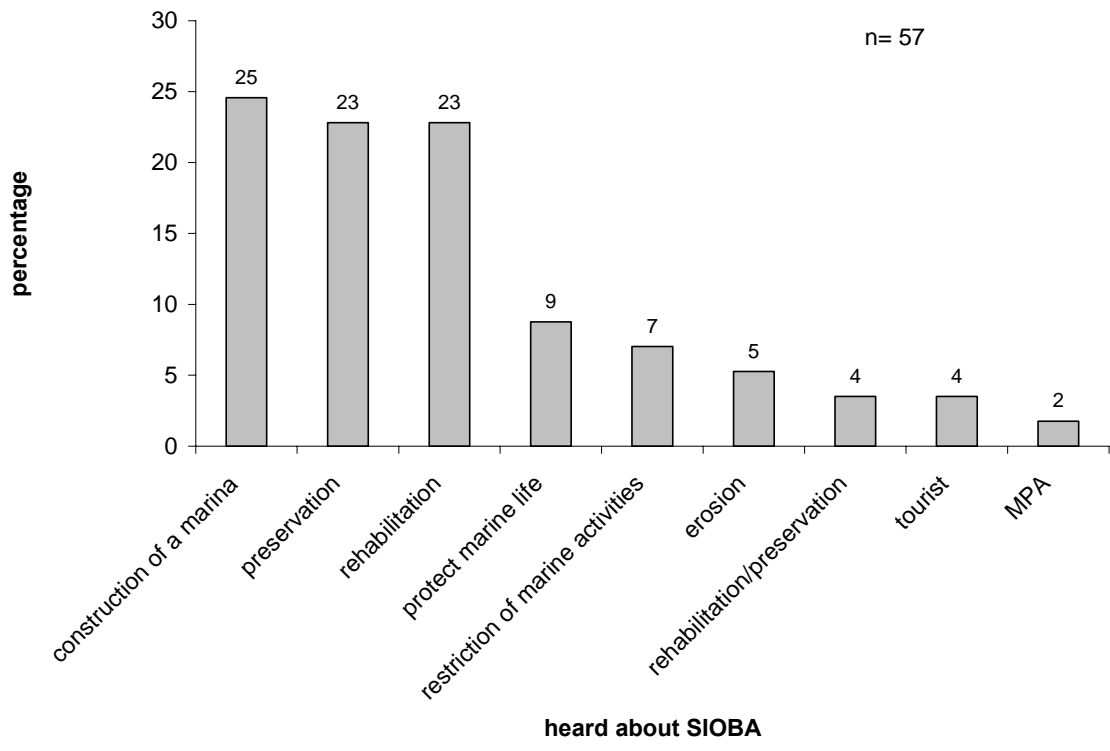
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**Figure 11: Percentage of respondents who have heard about the SIOBA**

12) If yes, what have you heard and from where? \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

<b>Table 12a: What have the respondents heard about SIOBA</b>		
Info heard about SIOBA	Frequency	Percent
construction of a marina	14	25
preservation	13	23
rehabilitation	13	23
rehabilitation/preservation	2	4
restriction of marine activities	4	7
protect marine life	5	9
erosion	3	5
tourist	2	4
MPA	1	2
Total	57	100
not applicable	30	
no response	3	
Total	33	
Grand Total	90	



**Figure 12a: What have the respondents heard about the SIOBA**

Table 12b: Who did the respondents hear this from		
Heard SIOBA info from	Frequency	Percent
relatives/friends	6	17
media	3	8
community	10	28
meeting	3	8
NGO	3	8
fisherman	2	6
diver	1	3
youth	5	14
teacher	1	3
school	2	6
Total	36	100
not applicable	28	
no response	26	
Total	54	
Grand Total	90	

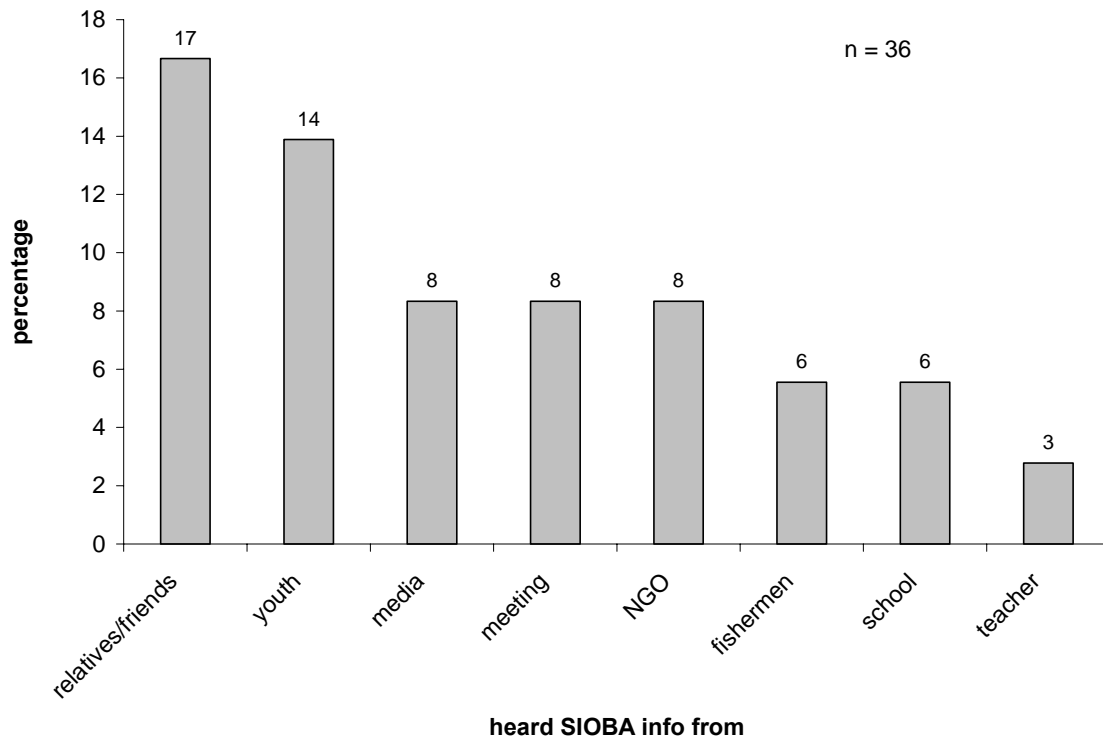


Figure 12b: Who did the respondents hear this information from

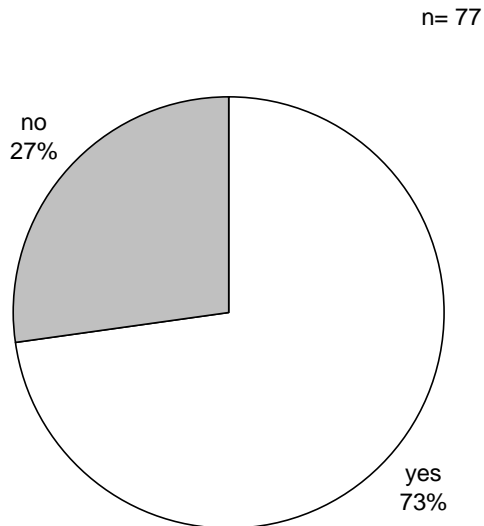
13) Do you know where the Oyster Bed area is located?

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**Table 13: Whether respondents knew where the Oyster bed was located**

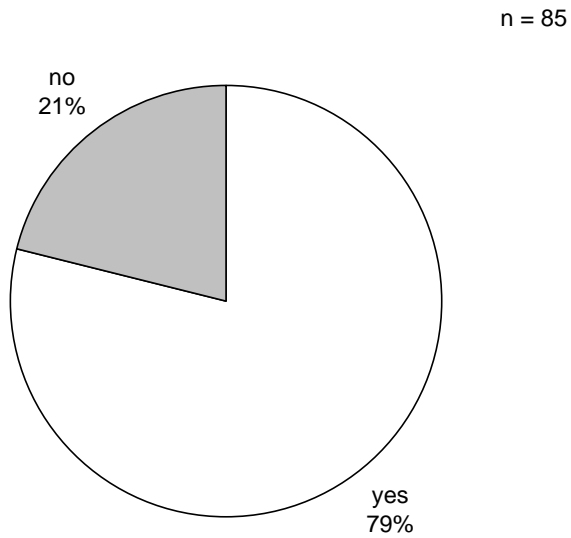
Location of oyster bed	Frequency	Percent
yes	56	73
no	21	27
Total	77	100
don't know	2	
no response	11	
Total	13	
Grand Total	90	



**Figure 13: Percentage of respondents who knew where the Oyster bed is located**

14) a) Have you visited Sandy Island? Yes No \_\_\_\_\_

<b>Table 14: Whether respondents have visited Sandy Island</b>		
Visited Sandy Island	Frequency	Percent
yes	67	79
no	18	21
Total	85	100
no response	5	
Grand Total	90	



**Figure 14a: Percentage of respondents who have visited the SIOBA**

14) b) If yes, how many times in the last two years?

0 – 5

5 – 10

15 – 20

over 20

<b>Table 14b: The number of times respondents visited SIOBA</b>		
No. of times visiting SIOBA	Frequency	Percent
0-5	51	80
5-10	5	8
15-20	5	8
>20	3	5
Total	64	100
no response	26	
Grand Total	90	

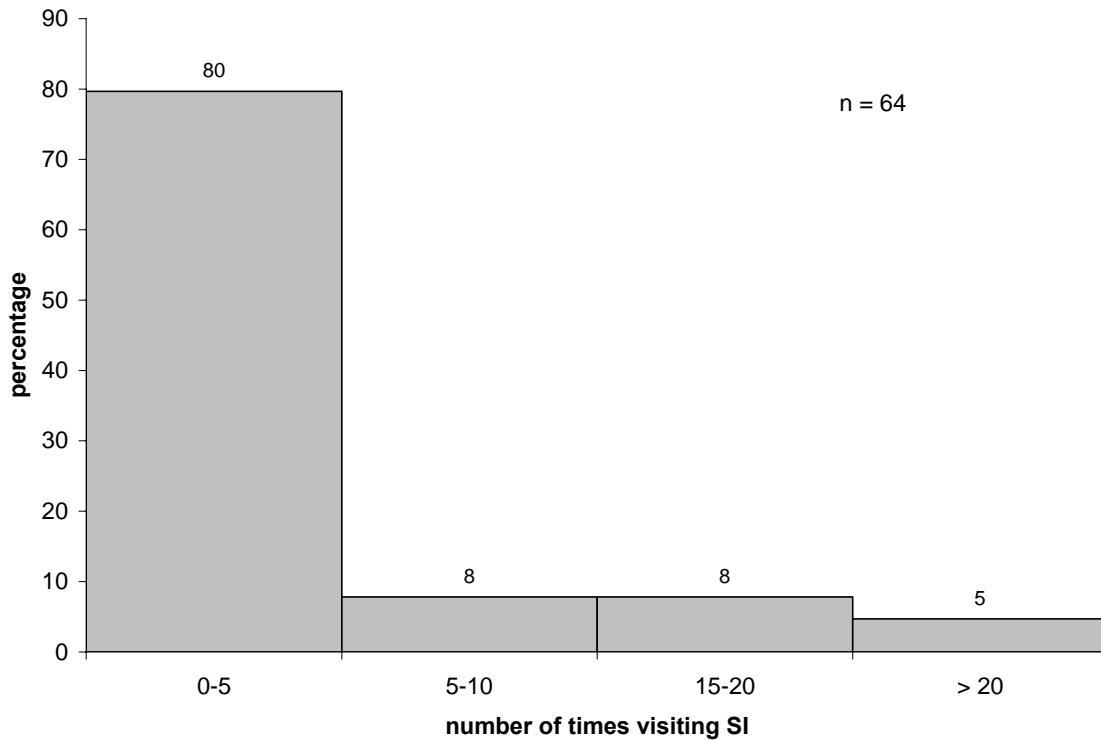


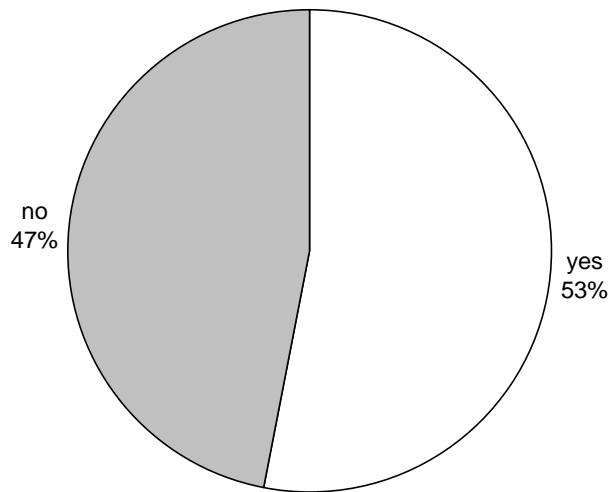
Figure 14b: Number of times respondents have visited Sandy Island

15) What was the purpose of your visit to Sandy Island/Oyster Bed Area:  
walk, bathe, picnic, fish, dive, bird watch, cook, take people there, Other

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<b>Table 15a: Respondents who like to bathe at Sandy Island</b>		
Bathe	Frequency	Percent
yes	36	53
no	32	47
Total	68	100
no response	22	
Grand Total	90	

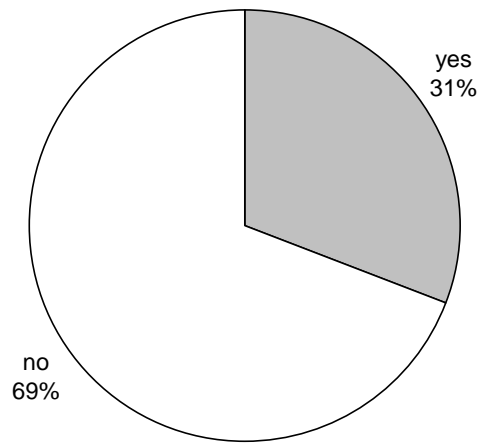
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**Figure 15a: Percentage of respondents who go to Sandy Island to bathe**

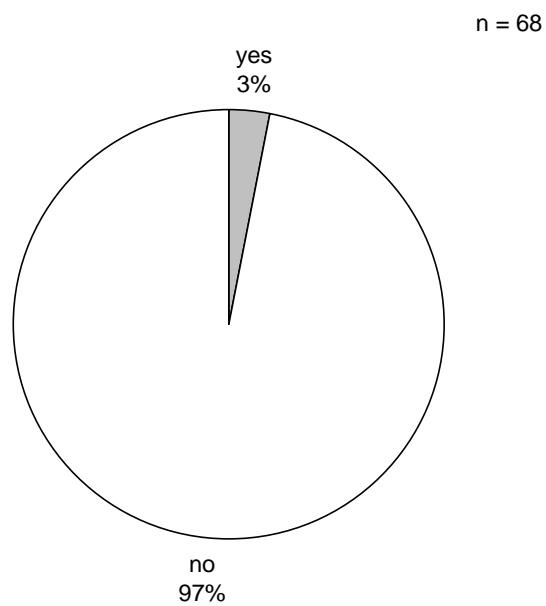
<b>Table 15b: Respondents who go to Sandy Island to picnic</b>		
Picnic	Frequency	Percent
yes	21	31
no	47	69
Total	68	100
no response	22	
Grand Total	90	

n = 68



**Figure 15b: Percentage of respondents who go to Sandy Island to picnic**

<b>Table 15c: Respondents who go to Sandy Island to cook</b>		
cook	Frequency	Percent
yes	2	3
no	66	97
Total	68	100
no response	22	
Grand Total	90	



**Figure 15c: Percentage of respondents who go to Sandy Island to cook**

Table 15d: Respondents who go to Sandy Island to walk		
Walk	Frequency	Percent
yes	2	3
no	66	97
Total	68	100
no response	22	
Grand Total	90	

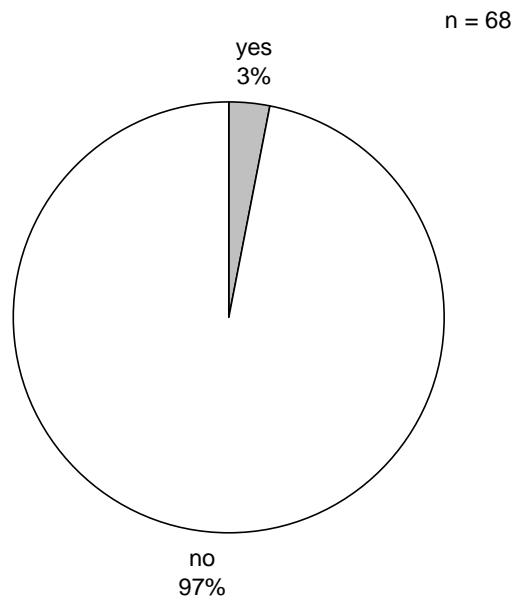
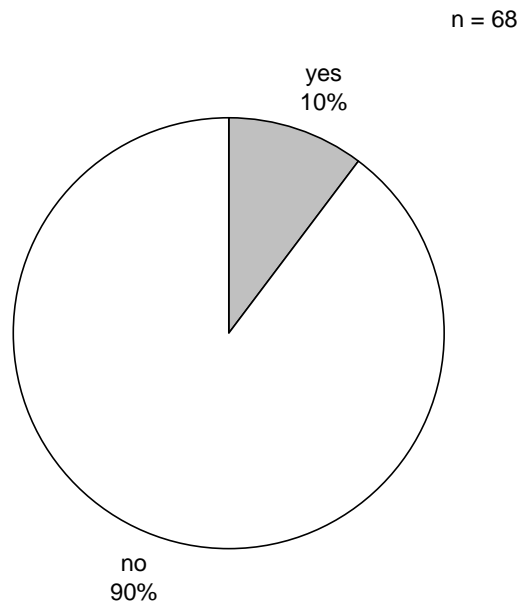


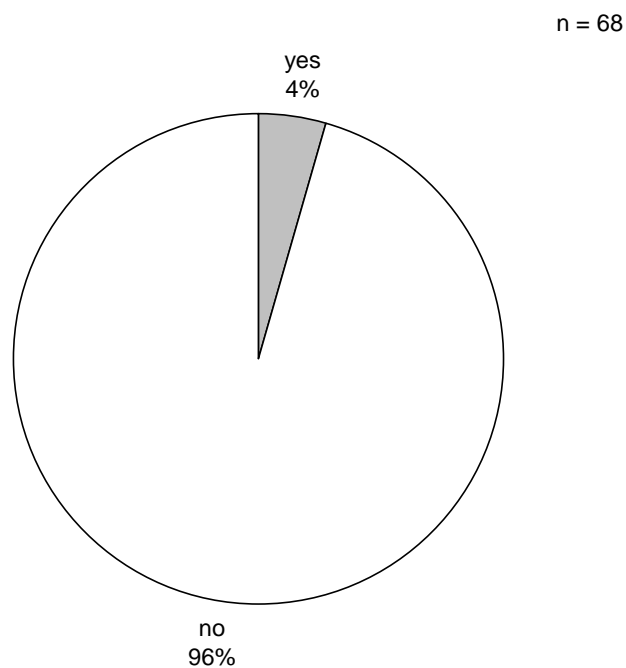
Figure 15d: Percentage of respondents who go to Sandy Island to walk

<b>Table 15e: Respondents who go to Sandy Island to fish</b>		
fish	Frequency	Percent
yes	7	10
no	61	90
Total	68	100
no response	22	
Grand Total	90	



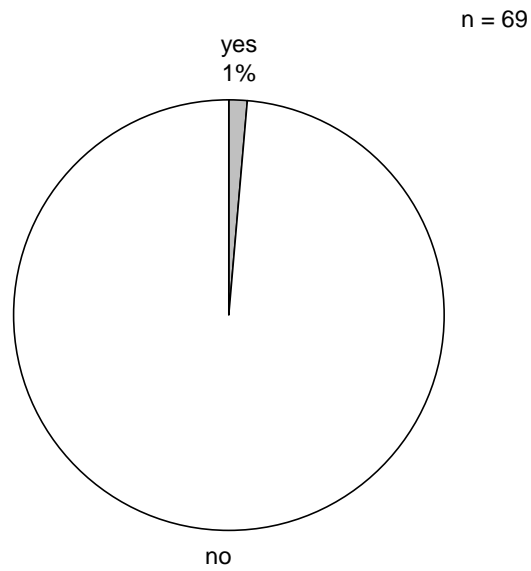
**Figure 15e: Percentage of respondents who go to Sandy Island to fish**

<b>Table 15f: Respondents who go to Sandy Island to plant trees</b>		
Planting trees	Frequency	Percent
yes	3	4
no	65	96
Total	68	100
no response	22	
Grand Total	90	



**Figure 15f: Respondents who go to plant trees**

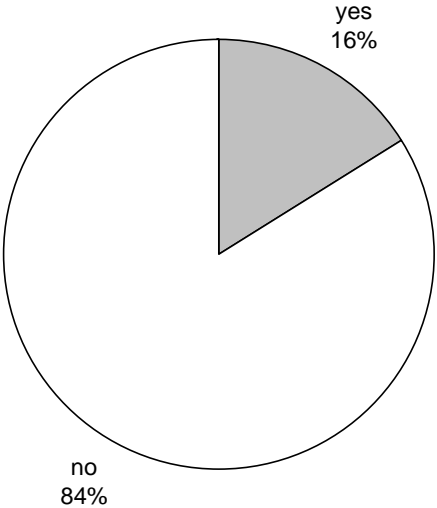
<b>Table 15i: Respondents who go to Sandy Island to sailing</b>		
sailing	Frequency	Percent
yes	1	1
no	67	99
Total	68	100
no response	22	
Grand Total	90	



**Figure 15i: Respondents who go to Sandy Island to sail**

<b>Table 15j: Respondents who go to Sandy Island to visit</b>		
visit	Frequency	Percent
yes	11	16
no	58	84
Total	69	100
no response	21	
Grand Total	90	

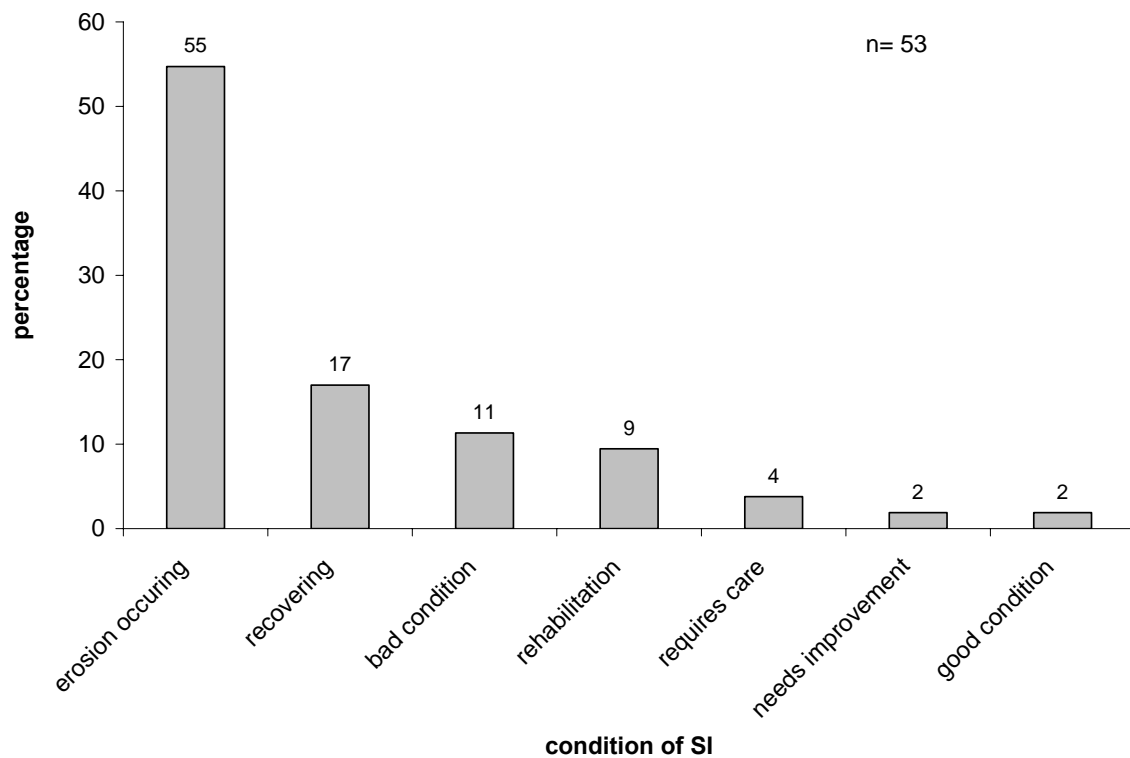
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**Figure 15j: Respondents who go to Sandy Island to visit**

16) If you have visited Sandy Island recently, describe the present state of Sandy Island?

<b>Table 16: The present state/condition of Sandy island</b>		
Present state of Sandy Island	Frequency	Percent
rehabilitation	5	9
erosion occurring	29	55
recovering	9	17
needs improvement	1	2
bad condition	6	11
requires care	2	4
good condition	1	2
Total	53	100
don't know	3	
not applicable	18	
no response	16	
Total	37	
Grand Total	90	



**Figure 16: The present state and condition of Sandy Island**

17) What is a Marine Protected Area?

<b>Table 17: The respondents' definition of a Marine protected area</b>		
	Frequency	Percent
protection of marine species & habitat	48	70
no recreational activities	16	23
government protected beach	1	1
rules limiting access	3	4
development carried out	1	1
Total	69	100
don't know	9	
not applicable	2	
no response	10	
Total	21	
Grand Total	90	

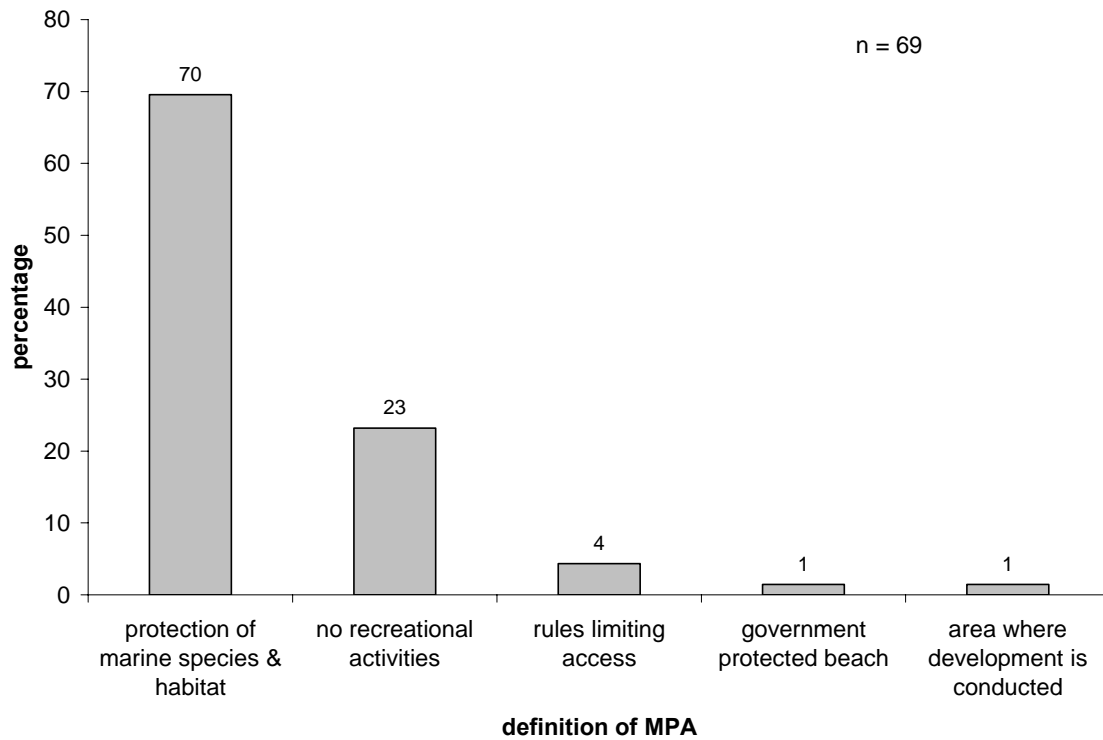
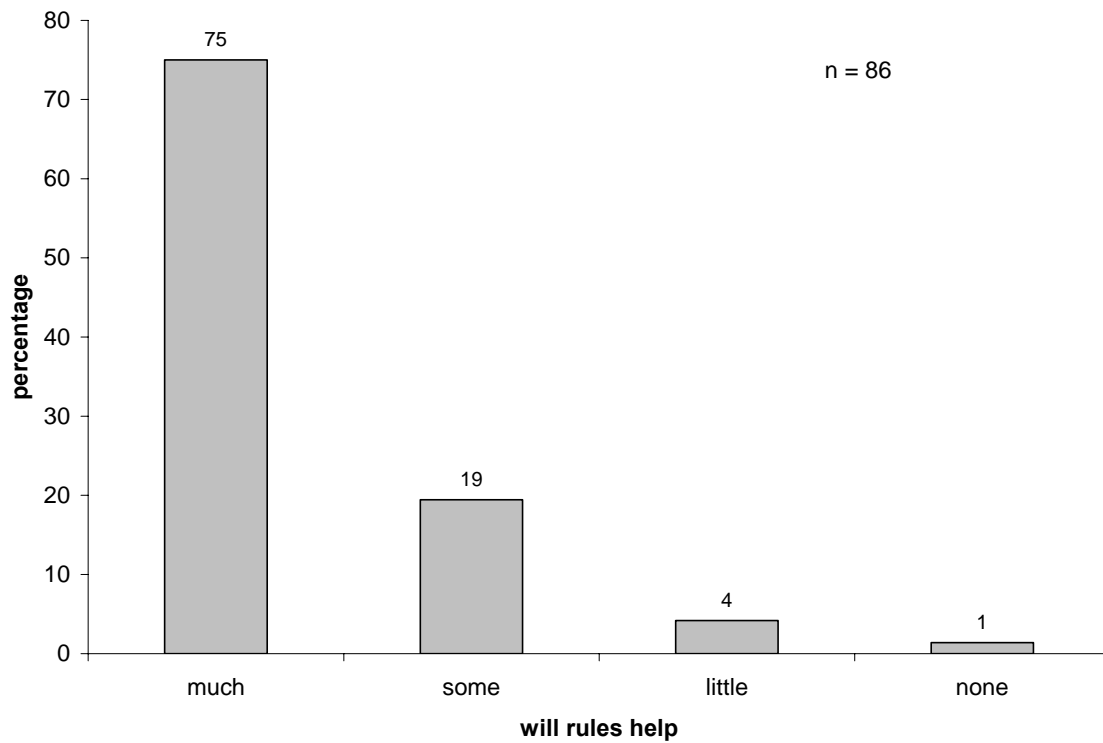


Figure 17: The respondents' definition of MPA

18) Do you think the creation of rules and regulations for the protection of Sandy Island/Oyster Bed Area would help the problem...  
 Much    Some    Little    None    Unsure

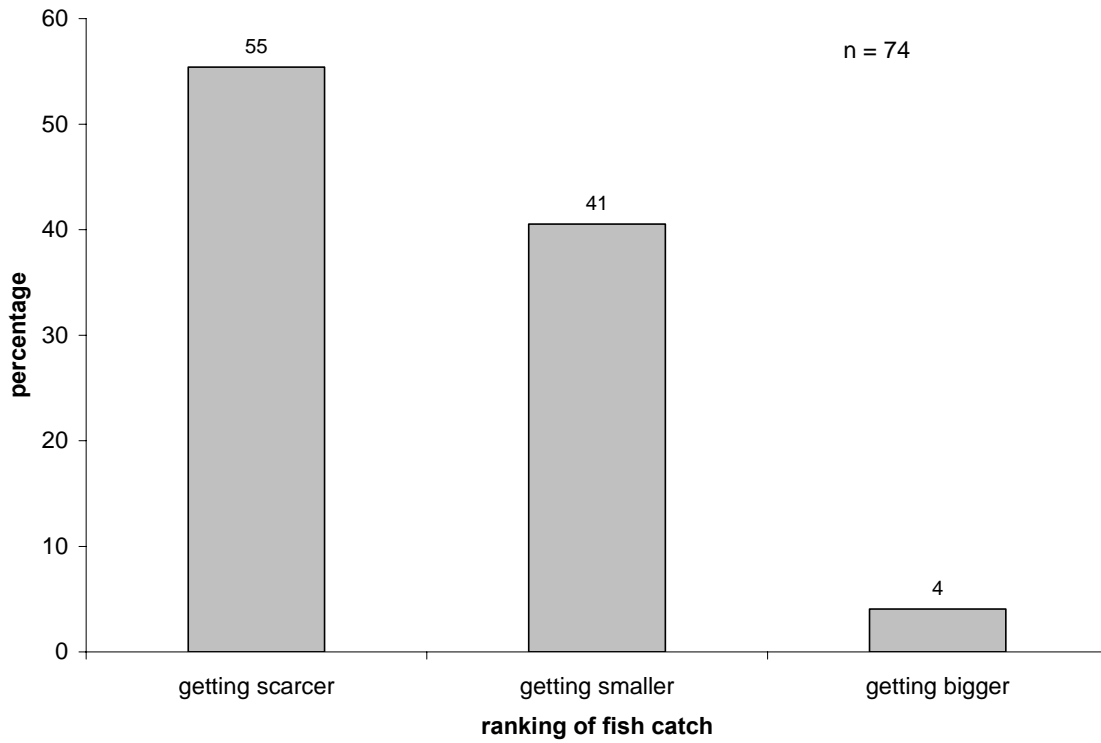
<b>Table 18: Respondent's perspective on whether the creation of rules and regulations will help the SIOBA</b>		
	Frequency	Percent
much	54	75
some	14	19
little	3	4
none	1	1
Total	72	100
don't know	14	
no response	4	
Total	18	
Grand Total	90	



**Figure 18: Respondent's perspective on whether the creation of rules and regulations will help the SIOBA**

19) How would you rank the fish catch from the Sandy Island/Oyster Bed Area?  
 Getting scarcer                      getting smaller                      getting bigger                      Other

<b>Table 19: Ranking of fish catch by respondents</b>		
	Frequency	Percent
getting scarcer	41	55
getting smaller	30	41
getting bigger	3	4
Total	74	100
no response	16	
Grand Total	90	



**Figure 19: Ranking of fish catch by respondents**

20) In your opinion do you think protecting Sandy Island / Oyster Bed Area will save the Plants, Fishes, Corals and Islands?  
Please explain your answer:

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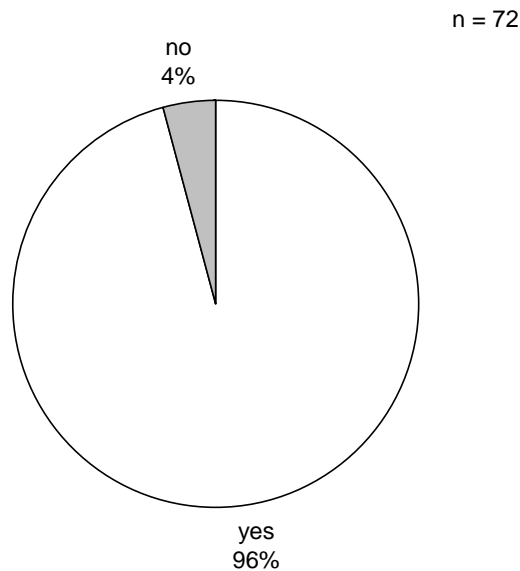


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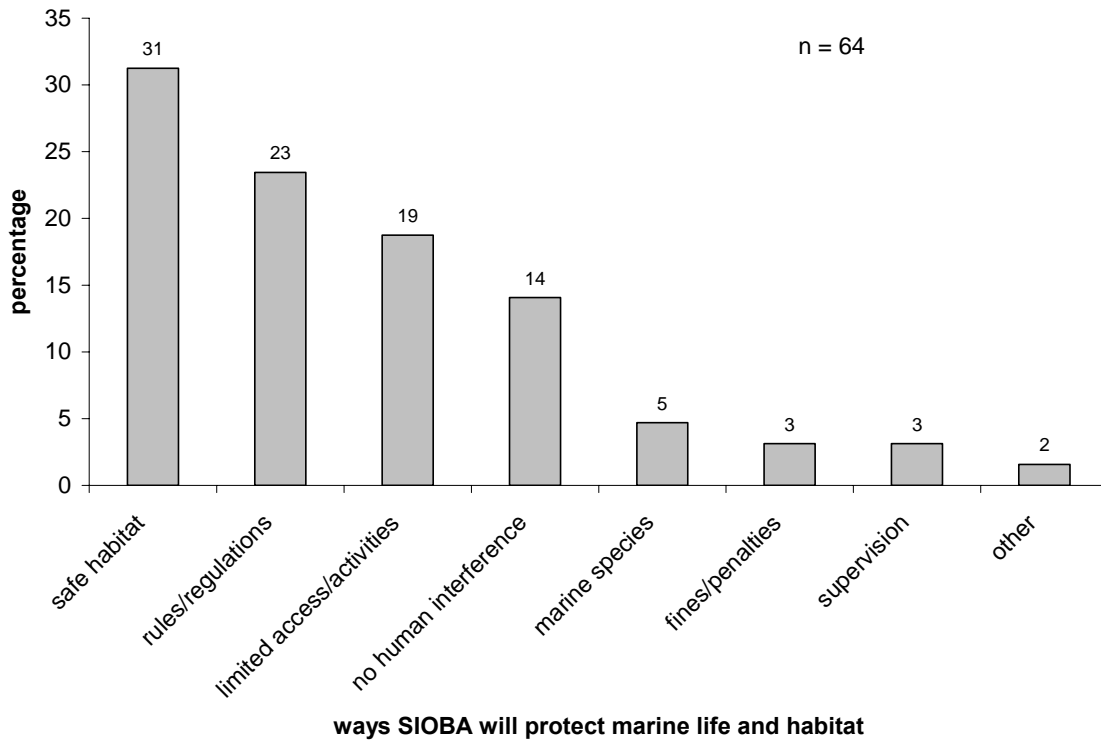
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<b>Table 20a: Whether the SIOBA will save the plants, fishes, corals and islands</b>		
Will SIOBA save the plants, fishes, corals and islands	Frequency	Percent
yes	69	96
no	3	4
Total	72	100
don't know	8	
no response	10	
Total	18	
Grand Total	90	



**Figure 20a: Percentage of respondents who believe the SIOBA will protect plants, fishes, coral and islands**

<b>Table 20b: Various ways SIOBA will protect plants, fishes, coral and islands</b>		
Ways SIOBA will protect	Frequency	Percent
safe habitat	20	31
no human interference	9	14
rules/regulations	15	23
finest/penalties	2	3
supervision	2	3
marine species	3	5
limited access/activities	12	19
other	1	2
<b>Total</b>	<b>64</b>	<b>100</b>
don't know	9	
not applicable	6	
no response	11	
<b>Total</b>	<b>26</b>	
<b>Grand Total</b>	<b>90</b>	

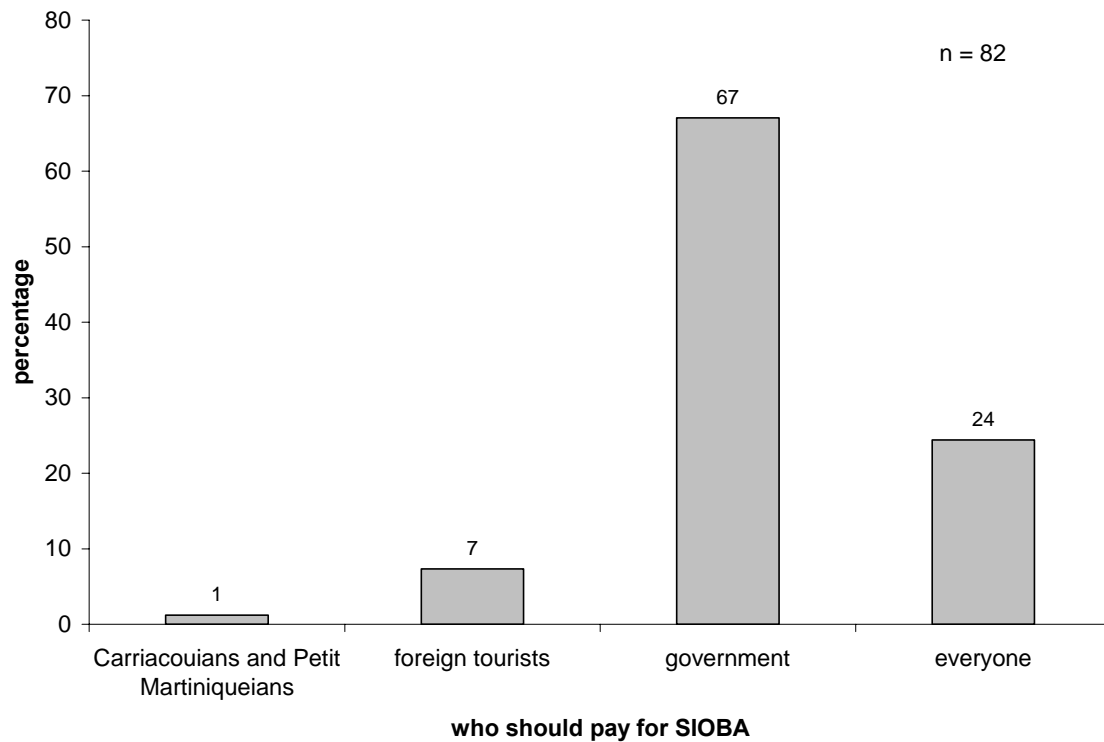


**Figure 20b: Various ways SIOBA will protect plants, fishes, coral and islands**

21) In your opinion who do you think should pay for the protection of Sandy Island/Oyster Bed Area: underline your answers.

Carriacouians Petite Martiniqueians, Grenadians from the Mainland  
 Native Visitors [Carriacouians from aboard] Foreign Tourists  
 Government Other

<b>Table 21: Who should pay for the protection of SIOBA</b>		
Who should pay	Frequency	Percent
Carriacouians and Petit Martiniqueians	1	1
foreign tourists	6	7
Government	55	67
Everyone	20	24
Total	82	100
not applicable	3	
no response	5	
Total	8	
Grand Total	90	



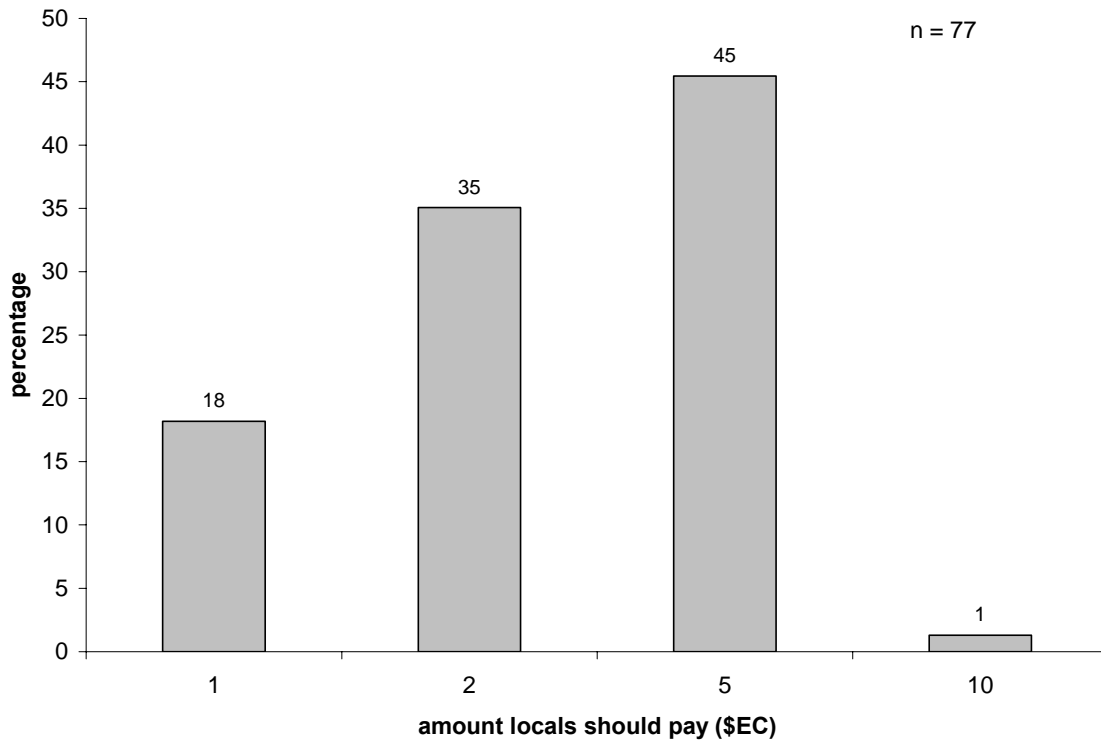
**Figure 21: Who should pay for the protection of SIOBA**

Indicate below how much should these sets of visitors pay?

22) If indicated above, Carriacouians and Petite Martiniqueians:

1 EC, 2 EC, 5 EC, 10, EC, other

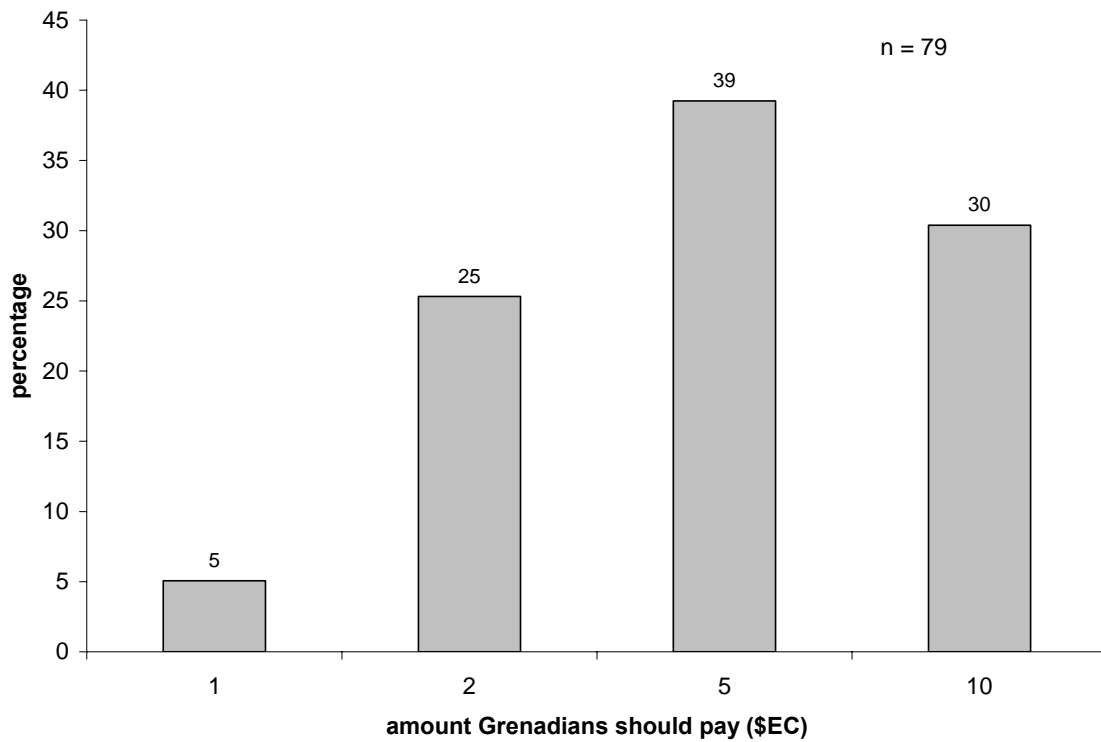
<b>Table 22 :The amount locals should pay to visit Sandy Island (\$EC)</b>		
Amount locals should pay (\$EC)	Frequency	Percent
1	14	18
2	27	35
5	35	45
10	1	1
Total	77	100
no response	13	
Grand Total	90	



**Figure 22: The amount locals should pay to visit Sandy Island (\$EC)**

23) If indicated above, Grenadian from the Mainland:  
 1 EC,            2 EC,            5 EC,            10, EC

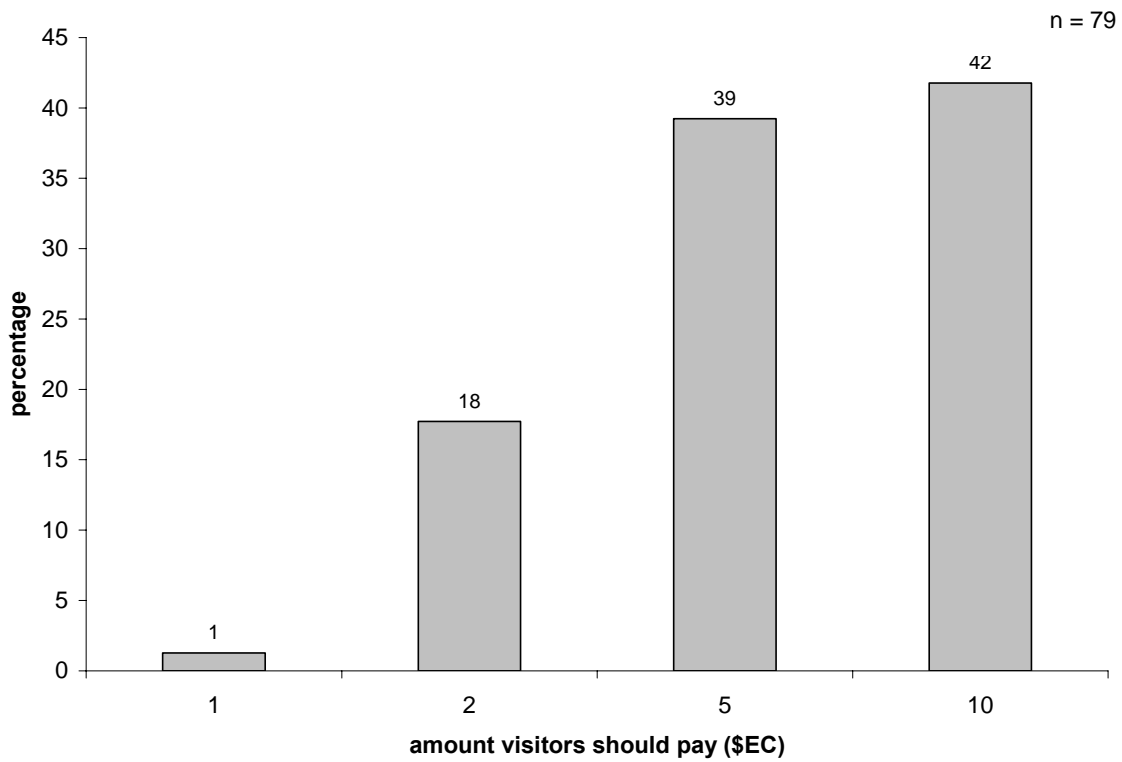
<b>Table 23: The amount Grenadians should pay to visit Sandy Island (\$EC)</b>		
Amount Grenadians should pay (\$EC)	Frequency	Percent
1	4	5
2	20	25
5	31	39
10	24	30
Total	79	100
no response	11	
Grand Total	90	



**Figure 23: The amount Grenadians should pay to visit Sandy Island (\$EC)**

24) If indicated above, Visitors [Carriacouians from aboard]  
 1 EC,            2 EC,            5 EC,            10, EC

<b>Table 24: The amount visitors should pay to visit Sandy Island (\$EC)</b>		
Amount visitors should pay (\$EC)	Frequency	Percent
1	1	1
2	14	18
5	31	39
10	33	42
Total	79	100
no response	11	
Grand Total	90	



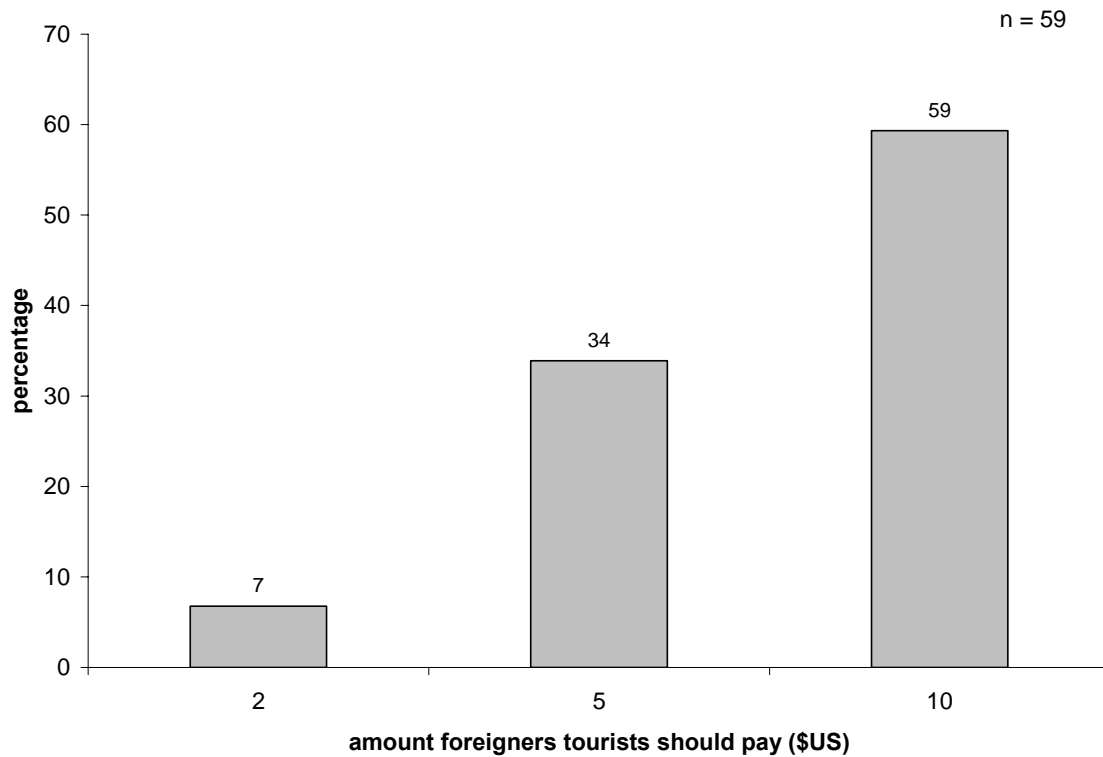
**Figure 24: The amount visitors should pay to visit Sandy Island (\$EC)**

25) If indicated above, Foreign Tourists.

1 US, 2 US, 5 US, 10 US

**Table 25: The amount foreigner tourists should pay to visit Sandy Island (\$US)**

Amount foreigner tourists should pay (\$US)	Frequency	Percent
2	4	7
5	20	34
10	35	59
Total	59	100
no response	31	
Grand Total	90	



**Figure 25: The amount foreigners should pay to visit Sandy Island (\$US)**

Carriacou, Sandy Island/ Oyster Bed Marine Protected Area  
Socio Economic Monitoring (SocMon) Survey of Nearby Communities

*The first four questions are to be filled out by the Research Assistant before conducting interview*

Date of survey: dd-mm-yy..... \_\_\_\_\_  
Start time: ..... \_\_\_\_\_  
Interviewer ID: ..... \_\_\_\_\_  
Community: ..... \_\_\_\_\_

**Research Assistant Introduction  
incorporated**

*The Carriacou Environmental Committee, along with Caribbean Regional Environmental Programme, are conducting a baseline SocMon study to assess and monitor the main activities within the Sandy Island / Oyster Bed area, to include, Fishing, Diving and Recreation. The information collected will assist in identifying the relationship or impact of the Marine Park Area [MPA] implementation on the livelihood of stakeholders and activities, within the study area. In addition, the SocMon will provide information on how to apply the best management strategy for the MPA, its stakeholders, marine resources and appropriate awareness programs.*

*Simply answer as well as you can. It is important for you to know your answers will be kept confidential. The questions will take no more than 20 minutes of your time.*

*Record the gender without asking it*

1) Male Female

2) How old are you (read out categories)  
15-20 21-26 26-30 31-35 36-40 41-45 46-50 51-55 56-60 61-65  
66-over  
*-guess the respondent's age if he/she is unwilling to give it*

3) Where do you live?

Harvey Vale Hillsborough L'Esterre Paradise Beach  
Belmont/Bellevue Bogles Windward Mt. Pleasant  
Others \_\_\_\_\_

4) What religion are you? (Read out categories)  
Catholic Anglican Pentecost Seven Days Evangelist  
Other \_\_\_\_\_

5) No. of Dependants [choose age range]:  
 0 – 5  6 – 10  11 – 20  21 – 30  30 – 40  40 – 60  
 Over 60.

6) What was your highest level of education?  
None Primary Secondary College University-Bachelors  
Post-graduate studies- Masters, Doctorate

- 7) What is your occupation? \_\_\_\_\_
- 8) Are you employed      Full Time      Part Time      Sporadically  
Other \_\_\_\_\_
- 9) How much do you earn monthly? (read out categories)  
 0 – 500               500 – 1000               1000 – 1500               1500 – 2000  
 2000 – 3000               over 3000
- 10) Have you ever heard about the Sandy Island /Oyster Bed Project?  
Yes No \_\_\_\_\_  
What have you heard? \_\_\_\_\_  
\_\_\_\_\_
- 11) Thank you. In your own words, please describe the current state of Sandy Island/Oyster Bed Area:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- 12) Would you say you visit Sandy Island/Oyster Bed Area: Regularly, Often, Seldom, Never. *If “never” skip next question and continue with question #18 substituting “you” with “others”*
- 13) Have you visited Sandy Island in the last two years? Yes No
- 14) Has the general state of Sandy Island/Oyster Bed Area gotten better, worse or stayed the same in the past two years? Better              Worse              Stayed Same
- 15) If “better” or “worse” please explain \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- 16) When you visit Sandy Island/Oyster Bed Area is it for: Recreation, Work, Other  
If “other,” please describe: \_\_\_\_\_
- 17) What kind of recreational activities do you or others engage in- on or near Sandy Island/Oyster Bed Area? walk, bathe, pick nick, fish, dive, bird watch, cook, Other \_\_\_\_\_
- 18) What kind of occupational (work related) activities do you or others engage in- on or near Sandy Island? \_\_\_\_\_
- 19) In your opinion, how much harm are these activities causing Sandy Island/Oyster Bed Area?  
Much              Some              Little              None              Unsure

- 20) Please tell me about any type of damage you see occurring on Sandy Island/Oyster Bed Area:  
 Sand mining, plant destruction, littering, dumping, fires, beach erosion/  
 destruction, animal habitat destruction, reef destruction,  
 Other\_\_\_\_\_
- 
- 21) Which problems are most severe? Please list the problems in order of most severe to least severe.
- 
- 22) The creation of rules and regulations regarding the use of the area around Sandy Island/Oyster Bed Area would help the problem...  
 Much Some Little None Unsure
- 23) What is a Marine Protected Area?
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- If respondent does not know,*
- 24) Does the term "Marine Protect Area" seem positive or negative to you?
- 
- 25) What types of plants are found on Sandy Island?  
 Palm, coconut trees, vines, shrubs, others
- 
- 26) What type of animals can be found on or near Sandy Island/Oyster Bed Area?
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- 27) What type of animals/Fish can be found in the reefs and sea surrounding Sandy Island?
- 
- 28) How would you rank the fish catch from the Sandy Island/Oyster Bed Area?  
 Getting scarcer getting smaller getting bigger Other
- 
- 29) Increased human presence on or near Sandy Island/Oyster Bed Area affects these plants and animals...  
 Much Some Little None Unsure
- 30) Do you know where the Oyster Bed is in Carriacou? Yes No Unsure

31) How important is it to keep Sandy Island/Oyster Bed Area as a healthy, thriving place for plants and animals?    Very    Some    Little    None    Unsure

32) To what extent would you agree with the statement “I would support a Sandy Island /Oyster Bed Area marine area conservation effort”?  
Strongly Agree    Agree    Neutral    Disagree    Strongly Disagree

33) Why? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*Thank you. You're doing very well. We have just a few more questions and then we are done.*

34) To what extent do you agree with this statement: “Sandy Island and its surrounding marine environment are important to me”?  
Strongly Agree    Agree    Neutral    Disagree    Strongly Disagree

35) Why did you respond this way? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

36) To what extent do you agree with the statement “I think that Sandy Island and its surrounding marine environment are in danger”  
Strongly Agree    Agree    Neutral    Disagree    Strongly Disagree

37) Why did you respond this way?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

38) In your opinion do you think protecting Sandy Island / Oyster Bed Area will save the Plants, Fishes, Corals and Islands?  
Please explain your answer:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Thank you. The last few questions are on people's ‘willingness to pay’ to visit Sandy Island/Oyster Bed Area:

39) In your opinion who do you think should pay for the protection of Sandy Island/Oyster Bed Area: Check all that apply.  
Carriacouians                      Petite Martiniqueians,                      Grenadians from the Mainland  
Native Visitors [Carriacouians from aboard]                      Foreign Tourists  
Government                      Other  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

How much should these sets of visitors pay?

If indicated above, Carriacouians and Petite Martiniqueans: 1 EC, 2 EC, 5 EC, 10, EC, other

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Visitors [Carriacouians from aboard]

1 EC, 2 EC, 5 EC, 10, EC

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Grenadian from the Mainland:

1 EC, 2 EC, 5 EC, 10, EC

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Foreign Tourists.

1 US, 2 US, 5 US, 10 US

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Lastly. Do you have any other comments?

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