

ATTACHMENT E: Questionnaires & Supporting Materials

AIRPORT Survey

- 1. Tally Sheet**
- 2. On-site Short Form**
- 3. Respondent GREEN CARD**
- 4. Full Activities List - WHITE CARD**
- 5. Region Maps**
- 6. Sweepstakes/Lottery Gifts Brochure**
- 7. Visitor Expenditure Mailback**
- 8. Visitor Satisfaction Mailback**
- 9. Mailback GREEN Page Side 1 and 2**
- 10. Mailback Post Card Reminder**

ON-SITE Survey (at Hotels, Marinas, Dive Shops, and Beaches)

- 1. Tally Sheet**
- 2. On-site Survey Questionnaire (18 versions)**
- 3. Respondent GREEN CARD**
- 4. Reef Activities List – BLUE CARD**
- 5. Region Maps**
- 6. Photos of Reefs**
- 7. Reef Definitions and Conditions Card**
- 8. Management Solutions Card**
- 9. Reef Condition Illustrations**
- 10. Crowding Photos**
- 11. Economic Valuations Card**
- 12. Choice Cards for Non-market Economic Valuation (18 versions, two choices per version)**
- 13. Sweepstakes/Lottery Gifts Brochure**

AIRPORT SURVEY

Tally Sheet
Airport Survey

Hello, I am from the University of Puerto Rico and we are doing a survey on recreation-tourism in Puerto Rico. Those who complete the survey will be entered into a sweepstakes/lottery to win free vacation prizes. **(Hand respondent gift brochure).**

1. Are you a permanent resident of Puerto Rico?

Yes Thank you. We are only interviewing nonresidents of Puerto Rico.
(Place tic mark in column 4)

No Are you ending your trip to the Puerto Rico today?
 Yes No Thank you. We are only interviewing people at the
end of their trip to the Puerto Rico.
(Place tic mark in column 5)

→ Did you do any recreation/tourist
activities on the coral reefs on this visit
to Puerto Rico?
(show recreation/tourist
activity Blue Card)

No Thank you. We are only interviewing visitors that did
recreation/tourist activities on coral reefs. (Place tic
mark in column 6)

Yes

Will you participate in a
short 5-10 minute
interview about your visit
to Puerto Rico?

No Thank you. (Place tic mark in column 7)

Yes (Place tic mark in column 8)

Airport Survey

Screening Criteria: 1) NOT a resident of Puerto Rico
(See Tally Sheet) 2) Visiting PR and did reef recreation/tourist activity _____
On-site Survey Number: _____

Airport: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)
(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

- Country: _____
 U.S.A Australia/Oceania Other Europe
 Canada Japan Middle East
 Mexico Other Far East Africa
 Central Am./South Am. United Kingdom Other

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in
Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is not equal to Q.5.

Airport Survey

Hand respondent Green Card

10. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.
- A Recreation or vacation C Business trip E Other (specify)
B Visit family or friends D Business/pleasure

Finally, for statistical purposes, we need to know a few things about yourself.

11. In what year were you born? (Code last two digits) ____ ____
12. Sex male female
13. Are you Spanish, Hispanic, or Latino? Yes No
- 13b. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.
- A White
B Black or African American
C American Indian or Alaska Native
D Asian
E Native Hawaiian or Pacific Islander
14. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.
- a b c d e f g h i j k l m n o refused
 don't know
15. Do you own a second home or time share in the Puerto Rico?
 Yes No
16. On this trip, are you paying your own expenses, sharing expenses, or is someone else paying your expenses?
- own expenses _____ ↳ Beside your own expenses, how many other people are you paying for on this trip? _____
- shared expenses _____ ↳ With how many people are you sharing expenses? _____
- someone else paying expenses _____

Airport Survey

We would like to collect some additional information on your visit to Puerto Rico during your trip. We have two mailback questionnaires that are self-addressed and postage is paid. The information gained from these questionnaires is very important to both managers of the coral reefs and business and governments providing services on your trip enjoyment. As an incentive for completing panel questions, a sweepstakes has been organized by the local business community. **Hand brochure describing sweepstakes** By completing the mailbacks, we enter you in the sweepstakes each time you complete a module.

E-mail: _____ Phone: _____

Reminder: After the survey is completed and the sweepstakes prizes awarded, all name and address information will be destroyed. No one will be allowed to use this information for contacting you about any promotions. This concludes our interview. Thank you for your time. In Appreciation for your participation, we would like to offer you this gift.

19. Will you complete these questionnaires?

Yes (Go to Satisfaction and Expenditure suggestions and questions 20 and 21)

No → This concludes our interview. Thank you for your time. In appreciation for your participation we would like to offer you this gift.

Satisfaction

We suggest completing the satisfaction questionnaire on your way home while your thoughts about your trip to the Puerto Rico are fresh.

Expenditure

The expenditure survey should be completed after your trip is over and you have returned home.

Interviewer: Code on-site survey number and location on mailback

Show example of mailback questionnaire, where to start, the types of questions that are asked, and how to seal it to mail it back

20. Please give us your name and address. In the event that we do not receive the take home questionnaire we will send you another.

Satisfaction name and address

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

21. If someone other than yourself paid for all your expenses on this trip to Puerto Rico, we would like that person to answer the questionnaire. Will you please give us the name and address of that person?

Expenditure name and address

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

This concludes our interview. Thank you for your time. In appreciation for your participation, we would like to offer you this gift.

RESPONDENT CARD

ABOUT THE INFORMATION YOU PROVIDE STATEMENT

Your participation in this interview is voluntary. There are no penalties for not answering some or all of the questions, but since each interviewed person will represent many others not interviewed, your cooperation is extremely important. This study is being conducted by the University of Puerto Rico – Mayaguez Puerto Rico Sea Grant, the National Oceanic and Atmospheric Administration and the U.S. Environmental Protection Agency. Uses of the information include the evaluation of present recreation uses and planning for future visitation. At the end of the study any materials identifying you as an individual will be destroyed.

This is a cooperative research project of the Puerto Rico Tourism Company the National Oceanic and Atmospheric Administration and the U.S. Environmental Protection Agency. Public reporting burden for this collection of information is estimated to average 4 minutes including time for reviewing instructions, searching existing data sources, gathering and maintaining the data need, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to U.S. Department of Commerce, Clearance Officer, Office of Chief Information Officer, Rm. 6625, 14th and Constitution Avenue NW, Washington, DC 20230. Notwithstanding any other provisions of the law, no person is required to respond to, nor shall any person be subject to penalty for failure to comply with, a collection of information subject to requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number.

SECTION 1: Primary Purpose of Trip to Puerto Rico

- A **Recreation or vacation**
- B **Visit family or friends**
- C **Business trip**
- D **Business and pleasure**
- E **Other (specify)**

SECTION 2: Race (Select All that Apply)

- A **White**
- B **Black or African American**
- C **American Indian or Alaska Native**
- D **Asian**
- E **Native Hawaiian or Other Pacific Islander**

SECTION 3: HOUSEHOLD INCOME CATEGORIES (Annual Income before taxes)

- | | | |
|-------------------------------|---------------------------------|----------------------------|
| A Less than \$5,000 | G \$30,000 to \$39,999 | O \$150,000 or more |
| I \$40,000 to \$44,999 | H \$35,000 to \$39,999 | |
| B \$5,000 to \$9,999 | J \$45,000 to \$49,999 | |
| C \$10,000 to \$14,999 | K \$50,000 to \$59,999 | |
| D \$15,000 to \$19,999 | L \$60,000 to \$74,999 | |
| E \$20,000 to \$24,999 | M \$75,000 to \$99,999 | |
| F \$25,000 to \$29,999 | N \$100,000 to \$149,999 | |

ACTIVITIES LIST

<u>Number</u>	<u>Water-based Activities</u>
	Snorkeling
100A	Snorkeling from charter/party boat (pay operation and includes snorkeling tours)
101A	Snorkeling from a rental boat
102A	Snorkeling from private boat (your boat or friend or relative's boat)
10A	Snorkeling from shore
	Scuba Diving
200A	Scuba diving from charter/party boat (pay operation)
201A	Scuba diving from a rental boat
202A	Scuba diving from a private boat (your boat or friend or relative's boat)
11A	Scuba diving from shore
	Special Activities while Snorkeling or Scuba Diving
300	Diving for lobsters
301	Underwater photography
302	Wreck diving or other artificial reefs
303	Spear fishing
304	Cave diving
305	Diving to capture ornamental fish for aquariums (not to sell)
	Fishing – Offshore
400A	Fishing from charter boat (pay operation, usually six persons or less) - offshore
402A	Fishing from a rental boat – off shore
403A	Fishing from a private boat (your boat or friend or relative's boat) – offshore
	Fishing – Inshore or Light Tackle Fishing
404A	Fishing from charter/party boat or guide (pay operation) – inshore or light tackle
405A	Fishing from rental boat – inshore or light tackle
406A	Fishing from a private boat (your boat or friend or relative's boat) – inshore or light tackle
	Other Fishing
407A	Other fishing from charter boat (pay operation, usually six persons or less)
408A	Other fishing from party or head boat (pay operation, charge per person)
409A	Other fishing from a rental boat
410A	Other fishing from a private boat (your boat or friends or relative's boat)
14A	Fishing from shore (beach, bank, pier, bridge, jetty, dock)
411	Freshwater fishing
	Viewing Nature and Wildlife
500A	Glass bottom boat rides (pay operation)
501A	Inshore boating excursions (pay operation/guided service/NOT FISHING, including kayaking)
502A	Viewing nature and wildlife from private or rental boat
503	Bioluminescent Bays
504	Ocean kayaking
505	Whale watching
506	Manatee watching
	Personal Watercraft (jet skis, wave runners, etc.)
600A	Personal watercraft – rental
601A	Personal watercraft – Private (your boat or friend or relative's watercraft)
	Sailing
700A	Sailing charter/party boat (pay operation)
701A	Sailing rental boat
702A	Sailing private boat (your boat or friend or relative's boat)

Number	Other Water-Based Activities
--------	-------------------------------------

Beach Activities – Sunbathing

- | | |
|-----|-------------------------------------------------|
| 12A | Sunbathing |
| 13A | Surfing |
| 14 | Collecting shells and sea glass |
| 15A | Swimming |
| 18A | Paddle boarding, wind surfing, or kite boarding |
- Other Activities NOT MENTIONED ABOVE** (parasailing, hang gliding, water-skiing, sunset cruises)
- | | |
|------|-------------------------------------------------------------------------------|
| 800A | Other activities from a charter/party boat (pay operation) |
| 801A | Other activities from a rental boat |
| 802A | Other activities from a private boat (your boat or friend or relative's boat) |

Number	Land-Based Activities
--------	------------------------------

Nature Study – Wildlife Observation – Photography

- | | |
|-----|-------------------------------------------------------------------|
| 19A | Wildlife observation or wildlife photography |
| 20A | Other nature study and observation |
| 21 | Photography – Natural landscapes/scenery (not including wildlife) |

Camping – Backpacking – Hiking – Picnicking

- | | |
|----|--------------------------------------------------------------------------------------------|
| 22 | Backpacking |
| 23 | Camping in developed campgrounds |
| 24 | Camping in primitive campgrounds |
| 25 | Day Hiking |
| 26 | Attending guided walk (by park rangers, private companies or non-government organizations) |
| 27 | Self-guided nature or historic trail |
| 28 | Picnicking |

Cultural, Historic and Tourist Attractions

- | | |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 29A | Visiting historic areas, sites, buildings or memorials |
| 30 | Attending special events (fairs, festivals, ceremonies, etc.) |
| 31 | Attending outdoor concerts, plays, or other outdoor performances |
| 32 | Attending indoor concerts, plays, performances, or events |
| 33 | Sight-seeing tours and tourist attractions (paid) |
| 34 | Sight-seeing (not paid tours) |
| 35 | Reading roadside exhibits or markers |
| 36A | Visiting a museum, education facility, or information center |
| 37 | Attending outdoor sports events (sailing or boat races; spectator at fishing tournament, surfing or other competitions like baseball, horse racing, or cock fighting) |
| 38 | Attending indoor sporting events (basketball, boxing or other indoor sporting events) |
| 39 | Agricultural tourism (visiting coffee plantations, farms, wineries) |
| 40 | Visiting Forest and Nature Reserves (El Yunque, Guánica Dry Forest, Mona Island Nature Reserve) |
| 41 | Visiting caves (Rio Camuy Cave Park or other caves) |
| 42 | Visiting Special Coral Reef Areas (Guánica, Cabo Rojo, Northeastern Reserves, Culebra) |

Outdoor Sports

- | | |
|----|-------------------------------------------------|
| 43 | Golf |
| 44 | Tennis |
| 45 | Zip Lining |
| 46 | Mountain climbing, rock climbing or rappelling |
| 47 | Participation in other outdoor sports and games |

Bicycling – Horseback Riding – Driving for Pleasure

- | | |
|----|--------------------------------------------|
| 48 | Bicycling |
| 49 | Horseback riding |
| 50 | Driving for Pleasure (mopeds, motorcycles) |


Other

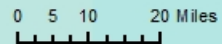
- | | |
|----|------------------|
| 51 | Attended Wedding |
| 52 | Visited Casino |





Legend

 Region 1



Sources: Esri, DeLorme, USGS, NPS, Sources: Esri, USGS, NOAA



Legend


 Region 2



Sources: Esri, DeLorme, USGS, NPS, Sources: Esri, USGS, NOAA



Legend


 Region 3



Sources: Esri, DeLorme, USGS, NPS, Sources: Esri, USGS, NOAA




Legend

 Region 4




0 5 10 20 Miles



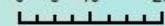
Sources: Esri, DeLorme, USGS, NPS, Sources: Esri, USGS, NOAA



Legend

 Region 5



0 5 10 20 Miles


Sources: Esri, DeLorme, USGS, NPS, Sources: Esri, USGS, NOAA



Economic Valuation of Puerto Rico's Coral Reef- Associated Tourism and Recreation

Sweepstakes Lottery Gifts for Visitors

Grand Prize—in Vieques

- Lodging (a room for two for 3 nights) - provided by Esperanza Inn
- Dive tour for 2 - provided by Isla Nena Scuba
- ½ day fishing trip - provided by Vieques Sport Fishing (Capt. J. Ferguson)
- Coffee table book (*Beneath the Waves*) - provided by PR Sea Grant
- Reusable Gore Tex shopping bag - provided by Surfrider Foundation Rincón
- Children's Book (*Adventures of Pelican*) - provided by Jobos Bay National Estuarine Reserve
- Puerto Rico T-shirt - provided by Puerto Rico Tourism Company

First Prize

- Dive trip for 2 certified divers from Fajardo reefs - provided by Sea Ventures Inc.
- 1/2 day deep sea fishing trip (1/2 price) - from Fajardo - provided by Light Tackle Paradise (Capt. Marcos Hanke)
- Coffee table book (*Beneath the Waves*) - provided by PR Sea Grant
- Reusable Gore Tex shopping bag - provided by Surfrider Foundation Rincón
- Children's Book (*Adventures of Pelican*) - provided by Jobos Bay National Estuarine Reserve



Second Prize

- 1/2 day fishing trip (in-shore) in Cabo Rojo - provided by Light Tackle Adventures (Capt. Pochy Rosario)
- Coffee table book (*Beneath the Waves*) - provided by PR Sea Grant
- Reusable Gore Tex shopping bag - provided by Surfrider Foundation Rincón
- Children's Book (*Adventures of Pelican*) - provided by Jobos Bay National Estuarine Reserve
- Puerto Rico T-shirt - provided by Puerto Rico Tourism Company

Consolation Prizes

- Reusable Gore Tex shopping bag - provided by Surfrider Foundation Rincón
- Puerto Rico T-shirt - provided by Puerto Rico Tourism Company
- National Geographic Society logo shopping bag - provided by National Geographic Society
- Book (*On Assignment*) - provided by National Geographic Society

Sweepstakes Lottery is being conducted by Ridge to Reefs, Inc.



For Further information, contact:

Glenis Padilla Plaza (Project Lead) University
of Puerto Rico – Mayagüez Campus
Telephone: (787) 508-2475
gpadillaplaza@gmail.com



Your participation in this
recreation expenditure survey is

GREATLY APPRECIATED

Dear Visitor,

During your recent trip to Puerto Rico you indicated that you would be willing to complete this questionnaire. It is self-explanatory and should about 20 minutes to complete. Please record your answers accurately and legibly. Your answers represent many other people not included in this survey effort so it is very important that you return your questionnaire.

Your answers are voluntary. Your name will never be released to anyone unless otherwise required by law. After the completion of the project all materials identifying you as an individual will be destroyed.

Before you mail back the questionnaire, please reverse-fold it so that our return address is on the outside. Please staple or tape to seal the questionnaire and mail it back to us. No postage is needed. Your cooperation in this effort is greatly appreciated.

Sincerely,

Ms. Glenis Padilla Plaza (Project Lead)
University of Puerto Rico - Mayaguez Campus
Telephone: (787) 508-2475
gpadillaplaza@upr.edu

Dr. Ruperto Chaparro (Project Co-lead)
Puerto Rico Sea Grant Program
Extension Leader
University of Puerto Rico
P.O. Box 5000
Mayaguez, PR 00681
Telephone: (787) 832-8045
Ruperto.chaparro@upr.edu

Please note: It is very important that the same person who participated in the on-site interview also complete this questionnaire.

PART A: YOUR EXPENDITURES FOR THIS TRIP

We would like to ask you about the expenses related to your recent trip to Puerto Rico. Please complete one of the questions below, indicating for how many people you paid expenses.

1) If you paid your own expenses or if you shared expenses with someone else, please check this box
 On the following pages, report only those trip expenses you personally paid for.

2) If you were paying all the expenses for yourself and for one or more others, please check this box
 and record in the box below the number of persons you paid expenses for, including yourself.
 Report the total amount of expenses you paid for on the following pages.

Number of people you were paying expenses for, including yourself

Please report your expenditures for each of the items listed to the nearest whole dollar. In Column A, put the total amount of money you spent on that item, regardless of where you were when you spent it. In Column B, report only the amount you spent while you were in Puerto Rico.

EXAMPLE: Joe and Jane Smith purchased round-trip tickets to Puerto Rico online at \$400 each, or a total of \$800. Their total amount spent for the trip was \$800 (Column A). The amount spent in Puerto Rico was \$0 (Column B).

Item	Column A: Total amount spent for this trip	Column B: Of the amount in column A, how much did you spend in Puerto Rico?
TRANSPORTATION		
Airline Fare		
a) Package tour	_____	_____
b) Any other airline fare	800	0

Item	Column A: Total amount spent for this trip	Column B: Of the amount in Column A, how much did you spend in Puerto Rico?
BOATING Boat, jet ski, and wave runner rental Boat fuel and oil Boat repairs Boat launch fees Boat slip fees or marina fees (this trip only) Sailing charters or sunset cruises	 <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	 <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
FISHING Cut bait Live bait Daily or special fishing permits Fishing lines, fly lines, fish nets, and minnow traps Charter/party boat, guide service	 <hr/> <hr/> <hr/> <hr/> <hr/>	 <hr/> <hr/> <hr/> <hr/> <hr/>
SCUBA DIVING/SNORKELING Rental fee for equipment Charter/party boat, guide service	 <hr/> <hr/>	 <hr/> <hr/>
SIGHTSEEING Sightseeing tours Glass bottom boat rides Excursions, kayak tours Park entrance fees Admission to tourist, amusement, festivals and other commercial attractions Food and drinks on sightseeing tours	 <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	 <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

PART B: ANNUAL VACATION EXPENDITURES AND EQUIPMENT PURCHASES

This section asks about money people spent on recreational equipment, boat storage, time-share and condo fees and related purchases for items you own over the past 12 months. Do not include rentals, they were included in Part A. For each of the items listed, indicate in Column A the total amount of money you spent on that equipment in the past 12 months. In Column B, report the total amount of purchases you made just in the county where you live. In Column C, report the total amount of purchases you made in Puerto Rico.

First, please answer these questions regarding your boating recreation.

- During the past 12 months, how many times did you take a trip away from home for a boating-related activity (sailing, waterskiing, canoeing, fishing from a boat, motor boating, SCUBA diving, jet skiing, etc.)? _____
- Of these trips, how many were to some place outside Puerto Rico? _____

Example: Joe and Jane Smith purchased a boat for \$17,000 from a dealer at their home in New York last summer. They also purchased a jet ski for \$12,000 from a dealer in Puerto Rico. Here is how they would report these expenditures.

Item	Column A: Total Purchases in Past 12 Months	Column B: Purchases in Your Home County	Column C: Purchases in Puerto Rico
BOATING EQUIPMENT			
New motorized boats or jet skis	_____29,000_____	_____17,000_____	_____12,000_____

Item	Column A: Total Purchases in Past 12 Months	Column B: Purchases in Your Home County	Column C: Purchases in Puerto Rico
MAJOR RECREATIONAL EQUIPMENT (not rentals) Diving or snorkeling equipment _____ Fishing rods and reels _____ Cameras and other photo gear _____ Binoculars and other viewing equipment _____ Miscellaneous (boats, guns, surfboard, vehicles, any other major equipment), specify _____			
BOATING EQUIPMENT AND FEES (not rentals) New motorized boats or jet skis _____ New nonmotorized boats (sailboats, row boats, canoes, kayaks, etc.) _____ New boat engines _____ New boat accessories _____ New sails or rigging _____ New boat trailer _____ Boat storage and marina fees _____ Other boating expenses (not rentals) Describe: _____			
ANNUAL LODGING-RELATED FEES (not rentals) Condo and time-share fees _____ RV or trailer park fees _____			

Number: _____

That's All!! If you would like to be entered into a sweepstakes to win a free Vacation to Puerto Rico, fill out your name, address and phone number below. All prizes will be awarded in TBD.

Name: _____

Address: _____

City: _____

State: _____ Zip: _____ Phone: _____

Prizes to be awarded are:

GRAND PRIZE – in Vieques

- * Lodging (a room for two for 3 nights) – provided by Esperanza Inn
- * Dive tour for 2 – provided by Isla Nena Scuba
- * 1/2 Day fishing trip – provided by Vieques Sport Fishing (Capt. J. Ferguson)
- * Coffee table book (*Beneath the Waves*) – provided by PR Sea Grant
- * Reuseable Gore Tex shopping bag – provided by the Surfrider Foundation Rincon
- Children's Book (*Adventures of Pelican*) – provided by Jobos Bay National Estuarine Reserve
- Puerto Rico T-shirt – provided by Puerto Rico Tourism Company

FIRST PRIZE

- * Dive trip for 2 certified divers from Fajardo reefs – provided by Sea Ventures Inc.
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SECOND PRIZE

- * 1/2 Day fishing trip (in-shore) in Cabo Rojo – provided by Light Tackle Adventures (Capt. Pochy Rosario)
- * Coffee table book (*Beneath the Waves*) – provided by PR Sea Grant
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Consolation Prizes

- * Reuseable Gore Tex shopping bag – provided by Surfrider Foundation Rincon
- * Puerto Rico T-shirt – provided by Puerto Rico Tourism Company
- * National Geographic Society logo shopping bag – provided by the National Geographic Society
- * Book (On Assignment) – provided by National Geographic Society

This is a cooperative research project of the University of Puerto Rico-Mayaguez, Puerto Rico Sea Grant, the U.S. Environmental Protection Agency and the National Oceanic and Atmospheric Administration. Public reporting burden for this collection of information is estimated to average 10 minutes including time for reviewing instructions, searching existing data sources, gathering and maintaining the data need, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to U.S. Department of Commerce, Clearance Officer, Office of Chief Information Officer, Rm. 6625, 14th and Constitution Avenue NW, Washington, DC 20230.

THANK YOU!

for
participating in this
Recreation Survey

Dear Visitor,

During your recent trip to Puerto Rico you indicated that you would be willing to complete this questionnaire. It is self-explanatory and should take about 20 minutes to complete. **Please** record your answers accurately and legibly. Your answers represent many other people not included in this survey effort so it is **very important** that you return your questionnaire.

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When you complete the questionnaire, please reverse-fold it so that our return address on the GREEN PAGE in the inside is folded to the outside. Please staple or tape to seal the questionnaire and mail it back to us. No postage is needed. Your cooperation in this effort is greatly appreciated.

Sincerely,

Ms. Glenis Padilla Plaza (Project Lead)
University of Puerto Rico - Mayaguez Campus
Telephone: (787) 508-2475
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Puerto Rico Sea Grant Program
Extension Leader
University of Puerto Rico
P.O. Box 5000
Mayaguez, PR 00681
Telephone: (787) 832-8045
Ruperto.chaparro@upr.edu

Please note: It is very important that the same person who participated in the on-site interview also complete this questionnaire.

In this section we are interested in identifying the recreation site information which is important to you, the visitor.

IMPORTANCE
(in the ideal recreational setting for activities)

1a Please read each statement and rate the importance of each item as it contributes to an ideal recreation/tourism setting for the activities you did in Puerto Rico. If an item does not apply, indicate by circling n/a (not applicable). Likewise, if you don't know, circle (dk).

			Not Applicable	Don't Know	Not Important	Somewhat Important	Important	Very Important	Extremely Important
1)	Clear water (high visibility)	n/a	dk	1	2	3	4	5	
2)	Clean water for swimming and other water-based activities.	n/a	dk	1	2	3	4	5	
3)	Amount of living corals on the reefs.	n/a	dk	1	2	3	4	5	
4)	Many different kinds of fishes and sea life to view	n/a	dk	1	2	3	4	5	
5)	Many different kinds of fishes and sea life to catch	n/a	dk	1	2	3	4	5	
6)	Control of invasive species (lionfish)	n/a	dk	1	2	3	4	5	
7)	Enforcement of environmental laws and regulations.	n/a	dk	1	2	3	4	5	
8)	Artificial reefs (sunken ships, reef balls)	n/a	dk	1	2	3	4	5	
9)	Easy, abundant and quality beach and shoreline access.	n/a	dk	1	2	3	4	5	
10)	Marina facilities, boat ramps/launching facilities	n/a	dk	1	2	3	4	5	
11)	Mooring buoys and navigational markers	n/a	dk	1	2	3	4	5	
12)	Value of lodging (cost vs amenities: clean rooms & linens, working ac, hot showers).	n/a	dk	1	2	3	4	5	
13)	Resorts with focus on Ecotourism/green initiatives: low energy use, recycling.	n/a	dk	1	2	3	4	5	
14)	Availability of public restrooms	n/a	dk	1	2	3	4	5	
15)	Cleanliness of streets and sidewalks	n/a	dk	1	2	3	4	5	
16)	Well maintained roads and bridges	n/a	dk	1	2	3	4	5	
17)	Public transportation	n/a	dk	1	2	3	4	5	
18)	Parking	n/a	dk	1	2	3	4	5	
19)	Historic preservation (historic landmarks, houses, etc.)	n/a	dk	1	2	3	4	5	
20)	Educational posters, signs, brochures	n/a	dk	1	2	3	4	5	
21)	Availability of tour guides	n/a	dk	1	2	3	4	5	
22)	Availability of lifeguards for beach safety	n/a	dk	1	2	3	4	5	
23)	Customer service and friendliness of people	n/a	dk	1	2	3	4	5	
24)	Public safety (areas with low crime rates)	n/a	dk	1	2	3	4	5	
25)	Good maps and signage for road navigation	n/a	dk	1	2	3	4	5	

lb. On the previous page you indicated the importance of a list of items to your recreational/tourist experiences. Now please read each of the items on this list and rate how satisfied you were with each at the places you did your activities in Puerto Rico. If an item does not apply, indicate by circling n/a (not applicable). Likewise, if you don't know, circle (dk).

SATISFACTION
(with each of these items where
you did activities in Puerto Rico)

Not Applicable	Don't Know	Terrible	Unhappy/Dissatisfied	Mixed	Happy/Satisfied	Delighted
----------------	------------	----------	----------------------	-------	-----------------	-----------

1)	Clear water (high visibility)	n/a	dk	1	2	3	4	5
2)	Clean water for swimming and other water-based activities.	n/a	dk	1	2	3	4	5
3)	Amount of living coals on the reefs.	n/a	dk	1	2	3	4	5
4)	Many different kinds of fishes and sea life to view	n/a	dk	1	2	3	4	5
5)	Many different kinds of fishes and sea life to catch	n/a	dk	1	2	3	4	5
6)	Control of invasive species (lionfish)	n/a	dk	1	2	3	4	5
7)	Enforcement of environmental laws and regulations.	n/a	dk	1	2	3	4	5
8)	Artificial reefs (sunken ships, reef balls)	n/a	dk	1	2	3	4	5
9)	Easy, abundant and quality beach and shoreline access.	n/a	dk	1	2	3	4	5
10)	Marina facilities, boat ramps/launching facilities	n/a	dk	1	2	3	4	5
11)	Mooring buoys and navigational markers	n/a	dk	1	2	3	4	5
12)	Value of lodging (cost vs amenities: clean rooms & linens, working ac, hot shower)	n/a	dk	1	2	3	4	5
13)	Resorts with focus on Ecotourism/green initiatives: low energy use, recycling	n/a	dk	1	2	3	4	5
14)	Availability of public restrooms	n/a	dk	1	2	3	4	5
15)	Cleanliness of streets and sidewalks	n/a	dk	1	2	3	4	5
16)	Well maintained roads and bridges	n/a	dk	1	2	3	4	5
17)	Public transportation	n/a	dk	1	2	3	4	5
18)	Parking	n/a	dk	1	2	3	4	5
19)	Historic preservation (historic landmarks, houses, etc.)	n/a	dk	1	2	3	4	5
20)	Educational posters, signs, brochures	n/a	dk	1	2	3	4	5
21)	Availability of tour guides	n/a	dk	1	2	3	4	5
22)	Availability of lifeguards for beach safety	n/a	dk	1	2	3	4	5
23)	Customer service and friendliness of people	n/a	dk	1	2	3	4	5
24)	Public safety (areas with low crime rates)	n/a	dk	1	2	3	4	5
25)	Good maps and signage for road navigation	n/a	dk	1	2	3	4	5

SATISFACTION
(with each of these items five
years ago in Puerto Rico)

Ic. Had you visited Puerto Rico more than five years ago?

- If “yes” answer question Id.
- If “no” skip to question IIa on page 4.

Id. Now please read each of the items on this list and rate how satisfied you were with each five years ago or more in Puerto Rico. If an item does not apply, indicate by circling n/a (not applicable). Likewise, if you don't know, circle (dk).

		Not Applicable	Don't Know	Terrible	Unhappy/Dissatisfied	Mixed	Happy/Satisfied	Delighted
1)	Clear water (high visibility)	n/a	dk	1	2	3	4	5
2)	Clean water for swimming and other water-based activities.	n/a	dk	1	2	3	4	5
3)	Amount of living corals on the reefs.	n/a	dk	1	2	3	4	5
4)	Many different kinds of fishes and sea life to view	n/a	dk	1	2	3	4	5
5)	Many different kinds of fishes and sea life to catch	n/a	dk	1	2	3	4	5
6)	Control of invasive species (lionfish)	n/a	dk	1	2	3	4	5
7)	Enforcement of environmental laws and regulations.	n/a	dk	1	2	3	4	5
8)	Artificial reefs (sunken ships, reef balls)	n/a	dk	1	2	3	4	5
9)	Easy, abundant and quality beach and shoreline access.	n/a	dk	1	2	3	4	5
10)	Marina facilities, boat ramps/launching facilities	n/a	dk	1	2	3	4	5
11)	Mooring buoys and navigational markers	n/a	dk	1	2	3	4	5
12)	Value of lodging (cost vs amenities: clean rooms & linens, working ac, hot shower)	n/a	dk	1	2	3	4	5
13)	Resorts with focus on Ecotourism/green initiatives: low energy use, recycling	n/a	dk	1	2	3	4	5
14)	Availability of public restrooms	n/a	dk	1	2	3	4	5
15)	Cleanliness of streets and sidewalks	n/a	dk	1	2	3	4	5
16)	Well maintained roads and bridges	n/a	dk	1	2	3	4	5
17)	Public transportation	n/a	dk	1	2	3	4	5
18)	Parking	n/a	dk	1	2	3	4	5
19)	Historic preservation (historic landmarks, houses, etc.)	n/a	dk	1	2	3	4	5
20)	Educational posters, signs, brochures	n/a	dk	1	2	3	4	5
21)	Availability of tour guides	n/a	dk	1	2	3	4	5
22)	Availability of lifeguards for beach safety	n/a	dk	1	2	3	4	5
23)	Customer service and friendliness of people	n/a	dk	1	2	3	4	5
24)	Public safety (areas with low crime rates)	n/a	dk	1	2	3	4	5
25)	Good maps and signage for road navigation	n/a	dk	1	2	3	4	5

Ila. Now please read each of the items on the list below and rate **your** expectations for each of the following in Puerto Rico. If an item does not apply, indicate by circling not applicable (n/a). Likewise, if you don't know, circle (dk).

EXPECTATION
(with each of these items
in Puerto Rico)

			Not Applicable	Don't Know	Did not expect	Small expectation	Moderate expectation	Large expectation	Very large expectation
1)	Marina facilities	n/a	dk	1	2	3	4	5	
2)	Availability of public restrooms.	n/a	dk	1	2	3	4	5	
3)	Public transportation.	n/a	dk	1	2	3	4	5	
4)	Parking	n/a	dk	1	2	3	4	5	
5)	Cleanliness of streets and sidewalks	n/a	dk	1	2	3	4	5	
6)	Boat ramps/launching facilities.	n/a	dk	1	2	3	4	5	
7)	Well maintained roads and bridges.	n/a	dk	1	2	3	4	5	
8)	Value of lodging (cost vs amenities: clean rooms & linens, working ac, hot showers)	n/a	dk	1	2	3	4	5	
9)	Mooring buoys and navigational aids.	n/a	dk	1	2	3	4	5	
10)	Good maps and signage for road navigation	n/a	dk	1	2	3	4	5	
11)	Resorts with focus on Ecotourism/green initiatives: low energy use, recycling	n/a	dk	1	2	3	4	5	
12)	Educational posters, signs, brochures.	n/a	dk	1	2	3	4	5	
13)	Availability of lifeguards for beach safety	n/a	dk	1	2	3	4	5	
14)	Easy, abundant, and quality beach & shoreline access	n/a	dk	1	2	3	4	5	
15)	Enforcement of environmental laws & regulations	n/a	dk	1	2	3	4	5	
16)	Public safety (area has low crime rates)	n/a	dk	1	2	3	4	5	
17)	Customer service and friendliness of people	n/a	dk	1	2	3	4	5	
18)	Availability of tour guides	n/a	dk	1	2	3	4	5	
19)	Historic preservation (historic landmarks, houses, etc.)	n/a	dk	1	2	3	4	5	
20)	Artificial reefs (sunken ships, reef balls)	n/a	dk	1	2	3	4	5	
21)	Quality restaurants	n/a	dk	1	2	3	4	5	
22)	Clear water (high visibility).	n/a	dk	1	2	3	4	5	
23)	Clean water for swimming and other water-based activities.	n/a	dk	1	2	3	4	5	
24)	Amount of living coral on the reefs.	n/a	dk	1	2	3	4	5	
25)	Many kinds of fish and sealife to view.	n/a	dk	1	2	3	4	5	

11b. Now please read each of the items on the list below and rate how they **met** your expectations for each of the following in Puerto Rico. If an item does not apply, indicate by circling not applicable (n/a). Likewise, if you don't know, circle (dk).

ACCOMPLISHMENT
(with each of these items
in Puerto Rico)

			Not Applicable	Don't Know	Completely did not meet expectation	Slightly did not meet expectation	Met expectation	Slightly exceeded expectation	Completely exceeded expectation
1)	Marina facilities	n/a	dk	1	2	3	4	5	
2)	Availability of public restrooms.	n/a	dk	1	2	3	4	5	
3)	Public transportation.	n/a	dk	1	2	3	4	5	
4)	Parking	n/a	dk	1	2	3	4	5	
5)	Cleanliness of streets and sidewalks	n/a	dk	1	2	3	4	5	
6)	Boat ramps/launching facilities.	n/a	dk	1	2	3	4	5	
7)	Well maintained roads and bridges.	n/a	dk	1	2	3	4	5	
8)	Value of lodging (cost vs amenities: clean rooms & linens, working ac, hot showers)	n/a	dk	1	2	3	4	5	
9)	Mooring buoys and navigational aids.	n/a	dk	1	2	3	4	5	
10)	Good maps and signage for road navigation	n/a	dk	1	2	3	4	5	
11)	Resorts with focus on Ecotourism/green initiatives: low energy use, recycling	n/a	dk	1	2	3	4	5	
12)	Educational posters, signs, brochures.	n/a	dk	1	2	3	4	5	
13)	Availability of lifeguards for beach safety	n/a	dk	1	2	3	4	5	
14)	Easy, abundant, and quality beach & shoreline access	n/a	dk	1	2	3	4	5	
15)	Enforcement of environmental laws & regulations	n/a	dk	1	2	3	4	5	
16)	Public safety (area has low crime rates)	n/a	dk	1	2	3	4	5	
17)	Customer service and friendliness of people	n/a	dk	1	2	3	4	5	
18)	Availability of tour guides	n/a	dk	1	2	3	4	5	
19)	Historic preservation (historic landmarks, houses, etc.)	n/a	dk	1	2	3	4	5	
20)	Artificial reefs (sunken ships, reef balls)	n/a	dk	1	2	3	4	5	
21)	Quality restaurants	n/a	dk	1	2	3	4	5	
22)	Clear water (high visibility).	n/a	dk	1	2	3	4	5	
23)	Clean water for swimming and other water-based activities.	n/a	dk	1	2	3	4	5	
24)	Amount of living coral on the reefs.	n/a	dk	1	2	3	4	5	
25)	Many kinds of fish and sealife to view.	n/a	dk	1	2	3	4	5	

In this section we have a few special issues questions we would like to ask you.

IIIa. Do you own a boat in Puerto Rico?

- Yes (Continue) No (Go to Question IIIc)

IIIb. What is the length of your boat?

_____ (Feet)

IIIc. Do you trailer your boat or do you store it at a dock or marina?

- Trailer
 Store at a dock or marina

IIIc. Do you own or rent a vacation home on the coast with access to the water?

- Yes No

IIIe. How important were Puerto Rico's beaches to your decision to visit Puerto Rico?

- | | | | | |
|----------------------|---------------------------|------------------|-----------------------|----------------------------|
| <i>Not Important</i> | <i>Somewhat Important</i> | <i>Important</i> | <i>Very Important</i> | <i>Extremely Important</i> |
| 1 | 2 | 3 | 4 | 5 |

IIIc. Was this trip your first visit to Puerto Rico for recreation activities?

- Yes (Go to Question IVa) No (Continue)

IIIg. How many years have you been coming to Puerto Rico for recreation activities?

_____ (Years)

IVa. How likely is it that you will recommend Puerto Rico to a friend or family member for their next vacation?
(Circle the appropriate answer)

- | | | | | | |
|-------------------|---------------------------|------------------------|---------------|--------------------|-----------------------|
| <i>Don't Know</i> | <i>Will Not Recommend</i> | <i>Somewhat Likely</i> | <i>Likely</i> | <i>Very Likely</i> | <i>Will Recommend</i> |
| dk | 1 | 2 | 3 | 4 | 5 |

IVb. How likely is it that you will return to Puerto Rico for a visit?
(Circle the appropriate answer)

- | | | | | | |
|-------------------|--------------------|------------------------|---------------|--------------------|--------------------|
| <i>Don't Know</i> | <i>Will Return</i> | <i>Somewhat Likely</i> | <i>Likely</i> | <i>Very Likely</i> | <i>Will Return</i> |
| dk | 1 | 2 | 3 | 4 | 5 |

<If you circle "Don't Know" or "Will Not Return" above, go to Question V>

IVc. How soon might you return to Puerto Rico?

- Don't Know
 In less than 3 months
 3 to 6 months
 6 to 12 months
 Greater than one year

Va. On your first visit ever to Puerto Rico, was your visit on a cruise ship stopover?

- Yes No (Skip to Section VI)

Vb. Did your stopover experience in Puerto Rico result in you choosing Puerto Rico as a destination for a non cruise ship visit?

- Yes No

Vc. If this cruise ship visit was your first visit, did your experience lead you to think about planning a future non cruise ship visit to Puerto Rico?

- Yes No

Vla. Islands like Puerto Rico face competing demands for development. When choosing a destination for your vacation and/or recreation activities what is your preference? (Check one answer only)

- Low development, small town atmosphere along the coast
- Dense development, large town with high-rise hotels and casinos, many restaurant and shopping opportunities
- Mix of low development and dense development places
- No preference

Vlb. Some people may be okay with staying in dense developed areas, but when doing certain recreation activities like visiting beaches, fishing, SCUBA diving, snorkeling, boating, surfing, wind surfing, paddle boarding, viewing wildlife, photography and hiking trails prefer to have views unobstructed by development (e.g. big hotels, offshore oil and gas platforms, wind turbines etc.).

How important to you is it to have areas with natural views protected? (Check one answer only)

- Not important
- Somewhat important
- Important
- Very important
- Extremely important

VII. In this section, we want to ask you about several issues of importance to managing Puerto Rico’s natural resources that support recreation activities, or protect the resources by preservation methods

For the following statements, please indicate if you 1 = strongly disagree, 2 = disagree, 3 = neutral, 4 = agree, 5 = strongly agree, or dk = don’t know. (Please circle one number for each statement)

		Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1)	I support the creation of marine protected areas that allow activities as long as they don’t harm the resource	1	2	3	4	5
2)	I support the creation of marine reserves that prohibit all activities that take things like fishing and ornamental trade for aquariums.	1	2	3	4	5
3)	I support the creation of research only areas that only allow scientific and educational activities	1	2	3	4	5
3)	I support increased protection of threatened and endangered species like turtles and elk and staghorn corals	1	2	3	4	5
5)	I support increased enforcement of environmental laws and regulations	1	2	3	4	5
6)	I support increased education and outreach for violators of environmental laws and regulations.	1	2	3	4	5
7)	I support a balanced approach to using education and outreach and enforcement on violators of environmental laws and regulations	1	2	3	4	5

OMB Approval #:

Expiration Date:

That's All!! If you would like to be entered into a sweepstakes to win a free Vacation to Puerto Rico, fill out your name, address and phone number below. All prizes will be awarded TBD.

Name: _____

Address: _____

City: _____

State: _____ Zip: _____ Phone: _____

Prizes to be awarded are:

GRAND PRIZE – in Vieques

- * Lodging (a room for two for 3 nights) – provided by Esperanza Inn
- * Dive tour for 2 – provided by Isla Nena Scuba
- * 1/2 Day fishing trip – provided by Vieques Sport Fishing (Capt. J. Ferguson)
- * Coffee table book (*Beneath the Waves*) – provided by PR Sea Grant
- * Reuseable Gore Tex shopping bag – provided by the Surfrider Foundation Rincon
- Children's Book (*Adventures of Pelican*) – provided by Jobos Bay National Estuarine Reserve
- Puerto Rico T-shirt – provided by Puerto Rico Tourism Company

FIRST PRIZE

- * Dive trip for 2 certified divers from Fajardo reefs – provided by Sea Ventures Inc.
- 1/2 Day deep sea fishing trip (1/2 price) from Fajardo – provided by Light Tackle Paradise (Capt. Marcos Hanke)
- * Coffee table book (*Beneath the Waves*) – provided by PR Sea Grant
- * Reuseable Gore Tex shopping bag – provided by Surfrider Foundation Rincon
- * Children's Book (*Adventures of Pelican*) – provided by Jobos Bay National Estuarine Reserve

SECOND PRIZE

- * 1/2 Day fishing trip (in-shore) in Cabo Rojo – provided by Light Tackle Adventures (Capt. Pochy Rosario)
- * Coffee table book (*Beneath the Waves*) – provided by PR Sea Grant
- * Reuseable Gore Tex shopping bag – provided by the Surfrider Foundation Rincon
- * Children's Book (*Adventures of Pelican*) – provided by Jobos Bay National Estuarine Reserve
- * Puerto Rico T-shirt – provided by Puerto Rico Tourism Company

Consolation Prizes

- * Reuseable Gore Tex shopping bag – provided by Surfrider Foundation Rincon
- * Puerto Rico T-shirt – provided by Puerto Rico Tourism Company
- * National Geographic Society logo shopping bag – provided by the National Geographic Society
- * Book (On Assignment) – provided by National Geographic Society

* This is a cooperative research project of the University of Puerto Rico-Mayaguez, Puerto Rico Sea Grant, the U.S. Environmental Protection Agency and the National Oceanic and Atmospheric Administration. Public reporting burden for this collection of information is estimated to average 10 minutes including time for reviewing instructions, searching existing data sources, gathering and maintaining the data need, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to U.S. Department of Commerce, Clearance Officer, Office of Chief Information Officer, Rm. 6625, 14th and Constitution Avenue NW, Washington, DC 20230.

NO POSTAGE
NECESSARY IF
MAILED IN THE
UNITED STATES

BUSINESS REPLY MAIL

FIRST CLASS MAIL PERMIT NO. X MAYAGUEZ, PR

Glenis Padilla Plaza
Sea Grant College Program
UPR-RUM Call Box 9000
Mayaguez, PR 00681-9000

ON-SITE SURVEY
(at hotels, marinas, dive shops and beaches)

Tally Sheet
On-site Survey

Hello, I am from the University of Puerto Rico and we are doing a survey on recreation-tourism in Puerto Rico. Those who complete the survey will be entered into a sweepstakes/lottery to win free vacation prizes. **(Hand respondent gift brochure).**

1. Are you a permanent resident of Puerto Rico?

Yes Thank you. We are only interviewing nonresidents of Puerto Rico.
(Place tic mark in column 4)

No Are you ending your trip to the Puerto Rico today?
 Yes No Thank you. We are only interviewing people at the
end of their trip to the Puerto Rico.
(Place tic mark in column 5)

→ Did you do any recreation/tourist
activities on the coral reefs on this visit
to Puerto Rico?
(show recreation/tourist
activity Blue Card)

No Thank you. We are only interviewing visitors that did
recreation/tourist activities on coral reefs. (Place tic
mark in column 6)

Yes

Will you participate in a
short 15-20 minute
interview about your visit
to Puerto Rico?

No Thank you. (Place tic mark in column 7)

Yes (Place tic mark in column 8)

Version 1a, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.	L: No stony corals, only soft corals and sponges
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	L: No Macroinvertebrates (conch, lobster or urchins)	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	L: Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet	L: Depth of Reefs: Greater than 60 feet
Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people	L: Crowdedness: 21 or more people
\$0	\$500	\$250
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

On-site Survey – Version 1a

On-site Survey Number: _____

Screening Criteria: 1) Visiting PR and did reef activities
(See Tally Sheet) 2) Meets Exit condition

Site: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)

(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

Country: _____

- | | | |
|---------------------------------------------|-----------------------------------------|------------------------------------|
| <input type="radio"/> U.S.A | <input type="radio"/> Australia/Oceania | <input type="radio"/> Other Europe |
| <input type="radio"/> Canada | <input type="radio"/> Japan | <input type="radio"/> Middle East |
| <input type="radio"/> Mexico | <input type="radio"/> Other Far East | <input type="radio"/> Africa |
| <input type="radio"/> Central Am./South Am. | <input type="radio"/> United Kingdom | <input type="radio"/> Other |

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in

Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is not equal to Q.5.

Part B: Coral reef use in the Puerto Rico during this trip.

Hand respondent Blue Card with Activities List for reef use and maps of the Puerto Rico Regions

- B1. Which activities did you or someone in your household do on natural/coral reefs during this trip in northwest Puerto Rico (Region 1), southwest Puerto Rico (Region 2), southeast Puerto Rico (Region 3), northeast Puerto Rico (Region 4) and the islands of Culebra and Vieques (Region 5)?**

If respondent did not do anything in a region, check the box indicating no reef use in the region

- B2. Did you, yourself, do (*read activity*) during this trip in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your party did each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during the past 12 months?**
- B4. On how many different days did you, yourself, participate in each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Note: Count any part of a day as a whole day for each activity.

- B5. How many different dives did you, yourself, make for each type of diving activity you did on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Diving activities include all snorkeling and scuba diving activities on the Blue Card-Activities List (Reef)

A dive is defined as an entry and exit from the water to snorkel or scuba dive

Please refer to Questions B1 – B5 when filling in the tables on the following two pages

There is one table for each of the five regions of the Puerto Rico (Region 1, Region 2, Region 3, Region 4, Region 5)

No Reef Use

Region 1

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 2

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 3

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 4

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

No Reef Use

Region 5

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # of days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

Part C. Economic Valuation of Puerto Rico's Coral Reef Ecosystems

In this section of the survey, I will first present to you some definitions and scientific facts about Puerto Rico's coral reef ecosystems. I will then present you with different reef conditions and the cost to your household to achieve those conditions. I will then ask you to choose among a set of different conditions and the cost to your household.

First, here are some definitions of what we mean by coral reefs and coral reef ecosystems.

Hand respondent the Reef Definitions and Conditions Information Card.

Please read the Reef Definitions and Conditions Card.

C1. Do you have any questions about these definitions or reef conditions?

After answering questions, show respondent cards with examples of the kinds of stony corals, soft corals, sponges, fish and macroinvertebrates that have been observed on Puerto Rico's coral reef ecosystems.

After respondent finishes viewing the cards, present the Management Solutions card.

Please read the information on the card and tell me when you are done.

C2. Do you have any questions before we proceed?

After answering respondents questions, proceed.

C3. Did you believe the information by coral scientists that in 10 to 20 years if current management practices continue that nearly all the coral reefs in Puerto Rico would be in a poor or low condition?

- a. Yes
- b. No (Go to C4)

C4. If we don't change current management practices (Status Quo), do you think that the coral reefs conditions in 10 to 20 years in Puerto Rico will

- a. Stay the same
- b. Improve
- c. Worsen

I now will present to you a set of reef conditions at different prices and will ask you for your most preferred option.

The Status Quo means no change in the management of the coral reef ecosystems and choosing this option will cost your household nothing (\$0), but will result in the poorest or lowest conditions of coral reef ecosystems on all Puerto Rico's coral reefs, except a few places that are already specially protected.

In each set of options, you will always have the option of choosing the Status Quo as your most preferred option.

Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.

Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

Hand the respondent the card with Choice Set Number 1.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, two reef conditions are at a low level, one at the medium level and eight at the high level of condition and will cost your household \$125 per trip. For Option C, four reef conditions are at the low level, five at the medium level and one is at the high condition and this will cost your household \$60 per trip.

C5. Which option do you prefer? _____

C6. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C7. Please provide a brief comment that helps us understand why you chose the option as your most preferred option?

Hand respondent the Economic Valuations Card

C8. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.

_____ (letter)

Hand respondent the card with Choice Set Number 2.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, three reef conditions are at a low level, one at the medium level and seven are at the high level and will cost your household \$500 per trip. For Option C, four reef conditions are at the low level, two at the medium level and five at the high condition and this will cost your household \$250 per trip.

C9. Which option do you prefer? _____

C10. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C11. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

C12. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
_____(letter)

C13. Did you understand that the dollar amount for each alternative was the per trip cost to your household?
a. Yes
b. No

C14. There are different ways for people to pay for new programs to protect the environment. One way is for the government to pay the cost. This will raise everyone's taxes. The other way is for businesses to pay the cost. This will make prices go up for everyone. Another way is for the government to create incentives for investment in environmental protection. Still another way is for businesses to pay the cost. This will make prices go up for everyone.

If you had to choose, would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
____ (letter)

C15. Who do you think should manage the additional funding obtained for reef management?

____ The Federal government ____ the Territorial government ____ Non Government Organization like The Nature Conservancy or Protectores de Cuencas, a local organization ____ Other (Specify _____)

C16. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select on answer only. ____ (letter)

C17. We would like to learn more about how you reacted to the questions that asked you to choose between various options of reef conditions. Please refer to Section 4 of the Economics Valuation Card. As I read each statement tell me the letter corresponding to your answer.

Check the box corresponding to the respondent's answer for each statement.

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively Manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

regulations that result in higher prices or taxes to businesses and households.					
---------------------------------------------------------------------------------	--	--	--	--	--

C18. What condition are the reefs in that you personally visit or use?

- a. Low
- b. Medium
- c. High

C19. How certain are you that additional funding would achieve the goals of protecting the environment? Please refer to Section 5 of the Economic Valuation Card and tell me the letter corresponding to your answer. Select one answer only. ___ (letter)

C20. Please provide us any other comments you would like to make to help us understand your views about coral reefs in Puerto Rico and your responses to this survey.

Go to Part D: Demographics

Part D: Demographic Profile

In this final section, we need to know information about you and your household to make sure we have a representative sample of Puerto Rico visitors.

Again, your privacy will be protected and any information identifying you or your household will not be revealed to anyone.

Hand respondent Green Card

D1. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.

- | | | |
|---------------------------|---------------------|-------------------|
| A Recreation or vacation | C Business trip | E Other (specify) |
| B Visit family or friends | D Business/pleasure | |

Finally, for statistical purposes, we need to know a few things about yourself.

D2. In what year were you born? (Code last two digits) ___ ___

D3. Sex male female

D4. Are you Spanish, Hispanic, or Latino? Yes No

D5. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.

A ___ White

B ___ Black or African American

C ___ American Indian or Alaskan Native

D ___ Native Hawaiian or Pacific Islander

D6. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.

^a ^b ^c ^d ^e ^f ^g ^h ⁱ ^j ^k ^l ^m ⁿ ^o refused

Thank You that is the end of our Survey.

If you would like to be included in the sweepstakes/lottery, if you could provide us contact information to award the prizes.

Telephone _____ **e-mail** _____

Mailing address: _____

On-site Survey – Version 1b

On-site Survey Number: _____

Screening Criteria: 1) Visiting PR and did reef activities
(See Tally Sheet) 2) Meets Exit condition

Site: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)

(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

Country: _____

- | | | |
|---------------------------------------------|-----------------------------------------|------------------------------------|
| <input type="radio"/> U.S.A | <input type="radio"/> Australia/Oceania | <input type="radio"/> Other Europe |
| <input type="radio"/> Canada | <input type="radio"/> Japan | <input type="radio"/> Middle East |
| <input type="radio"/> Mexico | <input type="radio"/> Other Far East | <input type="radio"/> Africa |
| <input type="radio"/> Central Am./South Am. | <input type="radio"/> United Kingdom | <input type="radio"/> Other |

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in

Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is equal to Q.5.

Part B: Coral reef use in the Puerto Rico during this trip.

Hand respondent Blue Card with Activities List for reef use and maps of the Puerto Rico Regions

- B1. Which activities did you or someone in your household do on natural/coral reefs during this trip in northwest Puerto Rico (Region 1), southwest Puerto Rico (Region 2), southeast Puerto Rico (Region 3), northeast Puerto Rico (Region 4) and the islands of Culebra and Vieques (Region 5)?**

If respondent did not do anything in a region, check the box indicating no reef use in the region

- B2. Did you, yourself, do (*read activity*) during this trip in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your party did each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during the past 12 months?**
- B4. On how many different days did you, yourself, participate in each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Note: Count any part of a day as a whole day for each activity.

- B5. How many different dives did you, yourself, make for each type of diving activity you did on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Diving activities include all snorkeling and scuba diving activities on the Blue Card-Activities List (Reef)

A dive is defined as an entry and exit from the water to snorkel or scuba dive

Please refer to Questions B1 – B5 when filling in the tables on the following two pages

There is one table for each of the five regions of the Puerto Rico (Region 1, Region 2, Region 3, Region 4, Region 5)

No Reef Use

Region 1

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 2

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 3

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 4

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

No Reef Use

Region 5

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # of days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

Part C. Economic Valuation of Puerto Rico's Coral Reef Ecosystems

In this section of the survey, I will first present to you some definitions and scientific facts about Puerto Rico's coral reef ecosystems. I will then present you with different reef conditions and the cost to your household to achieve those conditions. I will then ask you to choose among a set of different conditions and the cost to your household.

First, here are some definitions of what we mean by coral reefs and coral reef ecosystems.

Hand respondent the Reef Definitions and Conditions Information Card.

Please read the Reef Definitions and Conditions Card.

C1. Do you have any questions about these definitions or reef conditions?

After answering questions, show respondent cards with examples of the kinds of stony corals, soft corals, sponges, fish and macroinvertebrates that have been observed on Puerto Rico's coral reef ecosystems.

After respondent finishes viewing the cards, present the Management Solutions card.

Please read the information on the card and tell me when you are done.

C2. Do you have any questions before we proceed?

After answering respondents questions, proceed.

C3. Did you believe the information by coral scientists that in 10 to 20 years if current management practices continue that nearly all the coral reefs in Puerto Rico would be in a poor or low condition?

- a. Yes
- b. No (Go to C4)

C4. If we don't change current management practices (Status Quo), do you think that the coral reefs conditions in 10 to 20 years in Puerto Rico will

- a. Stay the same
- b. Improve
- c. Worsen

I now will present to you a set of reef conditions at different prices and will ask you for your most preferred option.

The Status Quo means no change in the management of the coral reef ecosystems and choosing this option will cost your household nothing (\$0), but will result in the poorest or lowest conditions of coral reef ecosystems on all Puerto Rico's coral reefs, except a few places that are already specially protected.

In each set of options, you will always have the option of choosing the Status Quo as your most preferred option.

Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.

Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

Hand the respondent the card with Choice Set Number 1.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, five reef conditions are at a low level, one at the medium level and five at the high level of condition and will cost your household \$750 per trip. For Option C, two reef conditions are at the low level, three at the medium level and six are at the high condition and this will cost your household \$1,000 per trip.

C5. Which option do you prefer? _____

C6. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C7. Please provide a brief comment that helps us understand why you chose the option as your most preferred option?

Hand respondent the Economic Valuations Card

C8. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.

_____ (letter)

Hand respondent the card with Choice Set Number 2.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, five reef conditions are at a low level, three at the medium level and three are at the high level and will cost your household \$500 per trip. For Option C, three reef conditions are at the low level, four at the medium level and four at the high condition and this will cost your household \$750 per trip.

C9. Which option do you prefer? _____

C10. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C11. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

C12. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
_____(letter)

C13. Did you understand that the dollar amount for each alternative was the per trip cost to your household?
a. Yes
b. No

C14. There are different ways for people to pay for new programs to protect the environment. One way is for the government to pay the cost. This will raise everyone's taxes. The other way is for businesses to pay the cost. This will make prices go up for everyone. Another way is for the government to create incentives for investment in environmental protection. Still another way is for businesses to pay the cost. This will make prices go up for everyone.

If you had to choose, would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
____ (letter)

C15. Who do you think should manage the additional funding obtained for reef management?

____ The Federal government ____ the Territorial government ____ Non Government Organization like The Nature Conservancy or Protectores de Cuencas, a local organization ____ Other (Specify _____)

C16. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select on answer only. ____ (letter)

C17. We would like to learn more about how you reacted to the questions that asked you to choose between various options of reef conditions. Please refer to Section 4 of the Economics Valuation Card. As I read each statement tell me the letter corresponding to your answer.

Check the box corresponding to the respondent's answer for each statement.

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively Manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

regulations that result in higher prices or taxes to businesses and households.					
---------------------------------------------------------------------------------	--	--	--	--	--

C18. What condition are the reefs in that you personally visit or use?

- a. Low
- b. Medium
- c. High

C19. How certain are you that additional funding would achieve the goals of protecting the environment? Please refer to Section 5 of the Economic Valuation Card and tell me the letter corresponding to your answer. Select one answer only. ___ (letter)

C20. Please provide us any other comments you would like to make to help us understand your views about coral reefs in Puerto Rico and your responses to this survey.

Go to Part D: Demographics

Part D: Demographic Profile

In this final section, we need to know information about you and your household to make sure we have a representative sample of Puerto Rico visitors.

Again, your privacy will be protected and any information identifying you or your household will not be revealed to anyone.

Hand respondent Green Card

D1. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.

- | | | |
|---------------------------|---------------------|-------------------|
| A Recreation or vacation | C Business trip | E Other (specify) |
| B Visit family or friends | D Business/pleasure | |

Finally, for statistical purposes, we need to know a few things about yourself.

D2. In what year were you born? (Code last two digits) ___ ___

D3. Sex male female

D4. Are you Spanish, Hispanic, or Latino? Yes No

D5. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.

A ___ White

B ___ Black or African American

C ___ American Indian or Alaskan Native

D ___ Native Hawaiian or Pacific Islander

D6. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.

^a ^b ^c ^d ^e ^f ^g ^h ⁱ ^j ^k ^l ^m ⁿ ^o refused

Thank You that is the end of our Survey.

If you would like to be included in the sweepstakes/lottery, if you could provide us contact information to award the prizes.

Telephone _____ **e-mail** _____

Mailing address: _____

On-site Survey – Version 2a

On-site Survey Number: _____

Screening Criteria: 1) Visiting PR and did reef activities
(See Tally Sheet) 2) Meets Exit condition

Site: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)

(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

Country: _____

- | | | |
|---------------------------------------------|-----------------------------------------|------------------------------------|
| <input type="radio"/> U.S.A | <input type="radio"/> Australia/Oceania | <input type="radio"/> Other Europe |
| <input type="radio"/> Canada | <input type="radio"/> Japan | <input type="radio"/> Middle East |
| <input type="radio"/> Mexico | <input type="radio"/> Other Far East | <input type="radio"/> Africa |
| <input type="radio"/> Central Am./South Am. | <input type="radio"/> United Kingdom | <input type="radio"/> Other |

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in

Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is equal to Q.5.

Part B: Coral reef use in the Puerto Rico during this trip.

Hand respondent Blue Card with Activities List for reef use and maps of the Puerto Rico Regions

- B1. Which activities did you or someone in your household do on natural/coral reefs during this trip in northwest Puerto Rico (Region 1), southwest Puerto Rico (Region 2), southeast Puerto Rico (Region 3), northeast Puerto Rico (Region 4) and the islands of Culebra and Vieques (Region 5)?**

If respondent did not do anything in a region, check the box indicating no reef use in the region

- B2. Did you, yourself, do (*read activity*) during this trip in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your party did each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during the past 12 months?**
- B4. On how many different days did you, yourself, participate in each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Note: Count any part of a day as a whole day for each activity.

- B5. How many different dives did you, yourself, make for each type of diving activity you did on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Diving activities include all snorkeling and scuba diving activities on the Blue Card-Activities List (Reef)

A dive is defined as an entry and exit from the water to snorkel or scuba dive

Please refer to Questions B1 – B5 when filling in the tables on the following two pages

There is one table for each of the five regions of the Puerto Rico (Region 1, Region 2, Region 3, Region 4, Region 5)

No Reef Use

Region 1

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 2

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 3

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 4

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

No Reef Use

Region 5

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # of days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

Part C. Economic Valuation of Puerto Rico's Coral Reef Ecosystems

In this section of the survey, I will first present to you some definitions and scientific facts about Puerto Rico's coral reef ecosystems. I will then present you with different reef conditions and the cost to your household to achieve those conditions. I will then ask you to choose among a set of different conditions and the cost to your household.

First, here are some definitions of what we mean by coral reefs and coral reef ecosystems.

Hand respondent the Reef Definitions and Conditions Information Card.

Please read the Reef Definitions and Conditions Card.

C1. Do you have any questions about these definitions or reef conditions?

After answering questions, show respondent cards with examples of the kinds of stony corals, soft corals, sponges, fish and macroinvertebrates that have been observed on Puerto Rico's coral reef ecosystems.

After respondent finishes viewing the cards, present the Management Solutions card.

Please read the information on the card and tell me when you are done.

C2. Do you have any questions before we proceed?

After answering respondents questions, proceed.

C3. Did you believe the information by coral scientists that in 10 to 20 years if current management practices continue that nearly all the coral reefs in Puerto Rico would be in a poor or low condition?

- a. Yes
- b. No (Go to C4)

C4. If we don't change current management practices (Status Quo), do you think that the coral reefs conditions in 10 to 20 years in Puerto Rico will

- a. Stay the same
- b. Improve
- c. Worsen

I now will present to you a set of reef conditions at different prices and will ask you for your most preferred option.

The Status Quo means no change in the management of the coral reef ecosystems and choosing this option will cost your household nothing (\$0), but will result in the poorest or lowest conditions of coral reef ecosystems on all Puerto Rico's coral reefs, except a few places that are already specially protected.

In each set of options, you will always have the option of choosing the Status Quo as your most preferred option.

Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.

Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

Hand the respondent the card with Choice Set Number 1.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, four reef conditions are at a low level, two at the medium level and five at the high level of condition and will cost your household \$1,000 per trip. For Option C, six reef conditions are at the low level, two at the medium level and three are at the high condition and this will cost your household \$750 per trip.

C5. Which option do you prefer? _____

C6. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C7. Please provide a brief comment that helps us understand why you chose the option as your most preferred option?

Hand respondent the Economic Valuations Card

C8. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.

_____ (letter)

Hand respondent the card with Choice Set Number 2.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, four reef conditions are at a low level, two at the medium level and five are at the high level and will cost your household \$60 per trip. For Option C, one reef conditions is at the low level, four at the medium level and five at the high condition and this will cost your household \$125 per trip.

C9. Which option do you prefer? _____

C10. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C11. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

C12. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
_____(letter)

C13. Did you understand that the dollar amount for each alternative was the per trip cost to your household?
a. Yes
b. No

C14. There are different ways for people to pay for new programs to protect the environment. One way is for the government to pay the cost. This will raise everyone's taxes. The other way is for businesses to pay the cost. This will make prices go up for everyone. Another way is for the government to create incentives for investment in environmental protection. Still another way is for businesses to pay the cost. This will make prices go up for everyone.

If you had to choose, would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
____ (letter)

C15. Who do you think should manage the additional funding obtained for reef management?

____ The Federal government ____ the Territorial government ____ Non Government Organization like The Nature Conservancy or Protectores de Cuencas, a local organization ____ Other (Specify _____)

C16. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select on answer only. ____ (letter)

C17. We would like to learn more about how you reacted to the questions that asked you to choose between various options of reef conditions. Please refer to Section 4 of the Economics Valuation Card. As I read each statement tell me the letter corresponding to your answer.

Check the box corresponding to the respondent's answer for each statement.

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively Manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

regulations that result in higher prices or taxes to businesses and households.					
---------------------------------------------------------------------------------	--	--	--	--	--

C18. What condition are the reefs in that you personally visit or use?

- a. Low
- b. Medium
- c. High

C19. How certain are you that additional funding would achieve the goals of protecting the environment? Please refer to Section 5 of the Economic Valuation Card and tell me the letter corresponding to your answer. Select one answer only. ___ (letter)

C20. Please provide us any other comments you would like to make to help us understand your views about coral reefs in Puerto Rico and your responses to this survey.

Go to Part D: Demographics

Part D: Demographic Profile

In this final section, we need to know information about you and your household to make sure we have a representative sample of Puerto Rico visitors.

Again, your privacy will be protected and any information identifying you or your household will not be revealed to anyone.

Hand respondent Green Card

D1. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.

- | | | |
|---------------------------|---------------------|-------------------|
| A Recreation or vacation | C Business trip | E Other (specify) |
| B Visit family or friends | D Business/pleasure | |

Finally, for statistical purposes, we need to know a few things about yourself.

D2. In what year were you born? (Code last two digits) ___ ___

D3. Sex male female

D4. Are you Spanish, Hispanic, or Latino? Yes No

D5. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.

A ___ White

B ___ Black or African American

C ___ American Indian or Alaskan Native

D ___ Native Hawaiian or Pacific Islander

D6. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.

^a ^b ^c ^d ^e ^f ^g ^h ⁱ ^j ^k ^l ^m ⁿ ^o refused

Thank You that is the end of our Survey.

If you would like to be included in the sweepstakes/lottery, if you could provide us contact information to award the prizes.

Telephone _____ **e-mail** _____

Mailing address: _____

Version 2b, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.	L: No stony corals, only soft corals and sponges
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	L: No Macroinvertebrates (conch, lobster or urchins)
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	M: Clarity/Visibility: 10 to 50 feet	H: Clarity/Visibility: Greater than 50 feet
Cleanliness: Not healthy for swimming	L: Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	L: Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet
Crowdedness: 21 or more people	L: Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people
\$0	\$60	\$125
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

On-site Survey – Version 2b

On-site Survey Number: _____

Screening Criteria: 1) Visiting PR and did reef activities
(See Tally Sheet) 2) Meets Exit condition

Site: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)

(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

Country: _____

- | | | |
|---------------------------------------------|-----------------------------------------|------------------------------------|
| <input type="radio"/> U.S.A | <input type="radio"/> Australia/Oceania | <input type="radio"/> Other Europe |
| <input type="radio"/> Canada | <input type="radio"/> Japan | <input type="radio"/> Middle East |
| <input type="radio"/> Mexico | <input type="radio"/> Other Far East | <input type="radio"/> Africa |
| <input type="radio"/> Central Am./South Am. | <input type="radio"/> United Kingdom | <input type="radio"/> Other |

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in

Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is not equal to Q.5.

Part B: Coral reef use in the Puerto Rico during this trip.

Hand respondent Blue Card with Activities List for reef use and maps of the Puerto Rico Regions

- B1. Which activities did you or someone in your household do on natural/coral reefs during this trip in northwest Puerto Rico (Region 1), southwest Puerto Rico (Region 2), southeast Puerto Rico (Region 3), northeast Puerto Rico (Region 4) and the islands of Culebra and Vieques (Region 5)?**

If respondent did not do anything in a region, check the box indicating no reef use in the region

- B2. Did you, yourself, do (*read activity*) during this trip in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your party did each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during the past 12 months?**
- B4. On how many different days did you, yourself, participate in each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Note: Count any part of a day as a whole day for each activity.

- B5. How many different dives did you, yourself, make for each type of diving activity you did on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Diving activities include all snorkeling and scuba diving activities on the Blue Card-Activities List (Reef)

A dive is defined as an entry and exit from the water to snorkel or scuba dive

Please refer to Questions B1 – B5 when filling in the tables on the following two pages

There is one table for each of the five regions of the Puerto Rico (Region 1, Region 2, Region 3, Region 4, Region 5)

No Reef Use

Region 1

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 2

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 3

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 4

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

No Reef Use

Region 5

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # of days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

Part C. Economic Valuation of Puerto Rico's Coral Reef Ecosystems

In this section of the survey, I will first present to you some definitions and scientific facts about Puerto Rico's coral reef ecosystems. I will then present you with different reef conditions and the cost to your household to achieve those conditions. I will then ask you to choose among a set of different conditions and the cost to your household.

First, here are some definitions of what we mean by coral reefs and coral reef ecosystems.

Hand respondent the Reef Definitions and Conditions Information Card.

Please read the Reef Definitions and Conditions Card.

C1. Do you have any questions about these definitions or reef conditions?

After answering questions, show respondent cards with examples of the kinds of stony corals, soft corals, sponges, fish and macroinvertebrates that have been observed on Puerto Rico's coral reef ecosystems.

After respondent finishes viewing the cards, present the Management Solutions card.

Please read the information on the card and tell me when you are done.

C2. Do you have any questions before we proceed?

After answering respondents questions, proceed.

C3. Did you believe the information by coral scientists that in 10 to 20 years if current management practices continue that nearly all the coral reefs in Puerto Rico would be in a poor or low condition?

- a. Yes
- b. No (Go to C4)

C4. If we don't change current management practices (Status Quo), do you think that the coral reefs conditions in 10 to 20 years in Puerto Rico will

- a. Stay the same
- b. Improve
- c. Worsen

I now will present to you a set of reef conditions at different prices and will ask you for your most preferred option.

The Status Quo means no change in the management of the coral reef ecosystems and choosing this option will cost your household nothing (\$0), but will result in the poorest or lowest conditions of coral reef ecosystems on all Puerto Rico's coral reefs, except a few places that are already specially protected.

In each set of options, you will always have the option of choosing the Status Quo as your most preferred option.

Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.

Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

Hand the respondent the card with Choice Set Number 1.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, two reef conditions are at a low level, two at the medium level and seven at the high level of condition and will cost your household \$1,000 per trip. For Option C, four reef conditions are at the low level, five at the medium level and two are at the high condition and this will cost your household \$750 per trip.

C5. Which option do you prefer? _____

C6. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C7. Please provide a brief comment that helps us understand why you chose the option as your most preferred option?

Hand respondent the Economic Valuations Card

C8. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.

_____ (letter)

Hand respondent the card with Choice Set Number 2.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, five reef conditions are at a low level, two at the medium level and four are at the high level and will cost your household \$60 per trip. For Option C, four reef conditions are at the low level, one at the medium level and six at the high condition and this will cost your household \$125 per trip.

C9. Which option do you prefer? _____

**C10. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)**

C11. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

**C12. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
_____(letter)**

C13. Did you understand that the dollar amount for each alternative was the per trip cost to your household?
a. Yes
b. No

C14. There are different ways for people to pay for new programs to protect the environment. One way is for the government to pay the cost. This will raise everyone's taxes. The other way is for businesses to pay the cost. This will make prices go up for everyone. Another way is for the government to create incentives for investment in environmental protection. Still another way is for businesses to pay the cost. This will make prices go up for everyone.

**If you had to choose, would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
____ (letter)**

C15. Who do you think should manage the additional funding obtained for reef management?

____ The Federal government ____ the Territorial government ____ Non Government Organization like The Nature Conservancy or Protectores de Cuencas, a local organization ____ Other (Specify _____)

C16. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select on answer only. ____ (letter)

C17. We would like to learn more about how you reacted to the questions that asked you to choose between various options of reef conditions. Please refer to Section 4 of the Economics Valuation Card. As I read each statement tell me the letter corresponding to your answer.

Check the box corresponding to the respondent's answer for each statement.

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively Manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

regulations that result in higher prices or taxes to businesses and households.					
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C18. What condition are the reefs in that you personally visit or use?

- a. Low
- b. Medium
- c. High

C19. How certain are you that additional funding would achieve the goals of protecting the environment? Please refer to Section 5 of the Economic Valuation Card and tell me the letter corresponding to your answer. Select one answer only. ___ (letter)

C20. Please provide us any other comments you would like to make to help us understand your views about coral reefs in Puerto Rico and your responses to this survey.

Go to Part D: Demographics

Part D: Demographic Profile

In this final section, we need to know information about you and your household to make sure we have a representative sample of Puerto Rico visitors.

Again, your privacy will be protected and any information identifying you or your household will not be revealed to anyone.

Hand respondent Green Card

D1. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.

- | | | |
|---------------------------|---------------------|-------------------|
| A Recreation or vacation | C Business trip | E Other (specify) |
| B Visit family or friends | D Business/pleasure | |

Finally, for statistical purposes, we need to know a few things about yourself.

D2. In what year were you born? (Code last two digits) ___ ___

D3. Sex male female

D4. Are you Spanish, Hispanic, or Latino? Yes No

D5. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.

A ___ White

B ___ Black or African American

C ___ American Indian or Alaskan Native

D ___ Native Hawaiian or Pacific Islander

D6. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.

^a ^b ^c ^d ^e ^f ^g ^h ⁱ ^j ^k ^l ^m ⁿ ^o refused

Thank You that is the end of our Survey.

If you would like to be included in the sweepstakes/lottery, if you could provide us contact information to award the prizes.

Telephone _____ **e-mail** _____

Mailing address: _____

On-site Survey – Version 3a

On-site Survey Number: _____

Screening Criteria: 1) Visiting PR and did reef activities
(See Tally Sheet) 2) Meets Exit condition

Site: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)

(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

Country: _____

- | | | |
|---------------------------------------------|-----------------------------------------|------------------------------------|
| <input type="radio"/> U.S.A | <input type="radio"/> Australia/Oceania | <input type="radio"/> Other Europe |
| <input type="radio"/> Canada | <input type="radio"/> Japan | <input type="radio"/> Middle East |
| <input type="radio"/> Mexico | <input type="radio"/> Other Far East | <input type="radio"/> Africa |
| <input type="radio"/> Central Am./South Am. | <input type="radio"/> United Kingdom | <input type="radio"/> Other |

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in

Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is equal to Q.5.

Part B: Coral reef use in the Puerto Rico during this trip.

Hand respondent Blue Card with Activities List for reef use and maps of the Puerto Rico Regions

- B1. Which activities did you or someone in your household do on natural/coral reefs during this trip in northwest Puerto Rico (Region 1), southwest Puerto Rico (Region 2), southeast Puerto Rico (Region 3), northeast Puerto Rico (Region 4) and the islands of Culebra and Vieques (Region 5)?**

If respondent did not do anything in a region, check the box indicating no reef use in the region

- B2. Did you, yourself, do (*read activity*) during this trip in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your party did each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during the past 12 months?**
- B4. On how many different days did you, yourself, participate in each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Note: Count any part of a day as a whole day for each activity.

- B5. How many different dives did you, yourself, make for each type of diving activity you did on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Diving activities include all snorkeling and scuba diving activities on the Blue Card-Activities List (Reef)

A dive is defined as an entry and exit from the water to snorkel or scuba dive

Please refer to Questions B1 – B5 when filling in the tables on the following two pages

There is one table for each of the five regions of the Puerto Rico (Region 1, Region 2, Region 3, Region 4, Region 5)

No Reef Use

Region 1

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 2

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 3

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 4

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

No Reef Use

Region 5

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # of days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

Part C. Economic Valuation of Puerto Rico's Coral Reef Ecosystems

In this section of the survey, I will first present to you some definitions and scientific facts about Puerto Rico's coral reef ecosystems. I will then present you with different reef conditions and the cost to your household to achieve those conditions. I will then ask you to choose among a set of different conditions and the cost to your household.

First, here are some definitions of what we mean by coral reefs and coral reef ecosystems.

Hand respondent the Reef Definitions and Conditions Information Card.

Please read the Reef Definitions and Conditions Card.

C1. Do you have any questions about these definitions or reef conditions?

After answering questions, show respondent cards with examples of the kinds of stony corals, soft corals, sponges, fish and macroinvertebrates that have been observed on Puerto Rico's coral reef ecosystems.

After respondent finishes viewing the cards, present the Management Solutions card.

Please read the information on the card and tell me when you are done.

C2. Do you have any questions before we proceed?

After answering respondents questions, proceed.

C3. Did you believe the information by coral scientists that in 10 to 20 years if current management practices continue that nearly all the coral reefs in Puerto Rico would be in a poor or low condition?

- a. Yes
- b. No (Go to C4)

C4. If we don't change current management practices (Status Quo), do you think that the coral reefs conditions in 10 to 20 years in Puerto Rico will

- a. Stay the same
- b. Improve
- c. Worsen

I now will present to you a set of reef conditions at different prices and will ask you for your most preferred option.

The Status Quo means no change in the management of the coral reef ecosystems and choosing this option will cost your household nothing (\$0), but will result in the poorest or lowest conditions of coral reef ecosystems on all Puerto Rico's coral reefs, except a few places that are already specially protected.

In each set of options, you will always have the option of choosing the Status Quo as your most preferred option.

Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.

Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

Hand the respondent the card with Choice Set Number 1.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, three reef conditions are at a low level, three at the medium level and five at the high level of condition and will cost your household \$1,000 per trip. For Option C, four reef conditions are at the low level, two at the medium level and five are at the high condition and this will cost your household \$750 per trip.

C5. Which option do you prefer? _____

C6. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C7. Please provide a brief comment that helps us understand why you chose the option as your most preferred option?

Hand respondent the Economic Valuations Card

C8. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.

_____ (letter)

Hand respondent the card with Choice Set Number 2.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, four reef conditions are at a low level, two at the medium level and five are at the high level and will cost your household \$250 per trip. For Option C, four reef conditions are at the low level, two at the medium level and five at the high condition and this will cost your household \$500 per trip.

C9. Which option do you prefer? _____

C10. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C11. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

C12. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
_____(letter)

C13. Did you understand that the dollar amount for each alternative was the per trip cost to your household?
a. Yes
b. No

C14. There are different ways for people to pay for new programs to protect the environment. One way is for the government to pay the cost. This will raise everyone's taxes. The other way is for businesses to pay the cost. This will make prices go up for everyone. Another way is for the government to create incentives for investment in environmental protection. Still another way is for businesses to pay the cost. This will make prices go up for everyone.

If you had to choose, would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
____ (letter)

C15. Who do you think should manage the additional funding obtained for reef management?

____ The Federal government ____ the Territorial government ____ Non Government Organization like The Nature Conservancy or Protectores de Cuencas, a local organization ____ Other (Specify _____)

C16. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select on answer only. ____ (letter)

C17. We would like to learn more about how you reacted to the questions that asked you to choose between various options of reef conditions. Please refer to Section 4 of the Economics Valuation Card. As I read each statement tell me the letter corresponding to your answer.

Check the box corresponding to the respondent's answer for each statement.

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively Manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

regulations that result in higher prices or taxes to businesses and households.					
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C18. What condition are the reefs in that you personally visit or use?

- a. Low
- b. Medium
- c. High

C19. How certain are you that additional funding would achieve the goals of protecting the environment? Please refer to Section 5 of the Economic Valuation Card and tell me the letter corresponding to your answer. Select one answer only. ___ (letter)

C20. Please provide us any other comments you would like to make to help us understand your views about coral reefs in Puerto Rico and your responses to this survey.

Go to Part D: Demographics

Part D: Demographic Profile

In this final section, we need to know information about you and your household to make sure we have a representative sample of Puerto Rico visitors.

Again, your privacy will be protected and any information identifying you or your household will not be revealed to anyone.

Hand respondent Green Card

D1. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.

- | | | |
|---------------------------|---------------------|-------------------|
| A Recreation or vacation | C Business trip | E Other (specify) |
| B Visit family or friends | D Business/pleasure | |

Finally, for statistical purposes, we need to know a few things about yourself.

D2. In what year were you born? (Code last two digits) ___ ___

D3. Sex male female

D4. Are you Spanish, Hispanic, or Latino? Yes No

D5. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.

A ___ White

B ___ Black or African American

C ___ American Indian or Alaskan Native

D ___ Native Hawaiian or Pacific Islander

D6. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.

^a ^b ^c ^d ^e ^f ^g ^h ⁱ ^j ^k ^l ^m ⁿ ^o refused

Thank You that is the end of our Survey.

If you would like to be included in the sweepstakes/lottery, if you could provide us contact information to award the prizes.

Telephone _____ **e-mail** _____

Mailing address: _____

On-site Survey – Version 3b

On-site Survey Number: _____

Screening Criteria: 1) Visiting PR and did reef activities
(See Tally Sheet) 2) Meets Exit condition

Site: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)

(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

Country: _____

- | | | |
|---------------------------------------------|-----------------------------------------|------------------------------------|
| <input type="radio"/> U.S.A | <input type="radio"/> Australia/Oceania | <input type="radio"/> Other Europe |
| <input type="radio"/> Canada | <input type="radio"/> Japan | <input type="radio"/> Middle East |
| <input type="radio"/> Mexico | <input type="radio"/> Other Far East | <input type="radio"/> Africa |
| <input type="radio"/> Central Am./South Am. | <input type="radio"/> United Kingdom | <input type="radio"/> Other |

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in

Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is equal to Q.5.

Part B: Coral reef use in the Puerto Rico during this trip.

Hand respondent Blue Card with Activities List for reef use and maps of the Puerto Rico Regions

- B1. Which activities did you or someone in your household do on natural/coral reefs during this trip in northwest Puerto Rico (Region 1), southwest Puerto Rico (Region 2), southeast Puerto Rico (Region 3), northeast Puerto Rico (Region 4) and the islands of Culebra and Vieques (Region 5)?**

If respondent did not do anything in a region, check the box indicating no reef use in the region

- B2. Did you, yourself, do (*read activity*) during this trip in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your party did each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during the past 12 months?**
- B4. On how many different days did you, yourself, participate in each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Note: Count any part of a day as a whole day for each activity.

- B5. How many different dives did you, yourself, make for each type of diving activity you did on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Diving activities include all snorkeling and scuba diving activities on the Blue Card-Activities List (Reef)

A dive is defined as an entry and exit from the water to snorkel or scuba dive

Please refer to Questions B1 – B5 when filling in the tables on the following two pages

There is one table for each of the five regions of the Puerto Rico (Region 1, Region 2, Region 3, Region 4, Region 5)

No Reef Use

Region 1

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 2

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 3

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 4

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

No Reef Use

Region 5

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # of days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

Part C. Economic Valuation of Puerto Rico's Coral Reef Ecosystems

In this section of the survey, I will first present to you some definitions and scientific facts about Puerto Rico's coral reef ecosystems. I will then present you with different reef conditions and the cost to your household to achieve those conditions. I will then ask you to choose among a set of different conditions and the cost to your household.

First, here are some definitions of what we mean by coral reefs and coral reef ecosystems.

Hand respondent the Reef Definitions and Conditions Information Card.

Please read the Reef Definitions and Conditions Card.

C1. Do you have any questions about these definitions or reef conditions?

After answering questions, show respondent cards with examples of the kinds of stony corals, soft corals, sponges, fish and macroinvertebrates that have been observed on Puerto Rico's coral reef ecosystems.

After respondent finishes viewing the cards, present the Management Solutions card.

Please read the information on the card and tell me when you are done.

C2. Do you have any questions before we proceed?

After answering respondents questions, proceed.

C3. Did you believe the information by coral scientists that in 10 to 20 years if current management practices continue that nearly all the coral reefs in Puerto Rico would be in a poor or low condition?

- a. Yes
- b. No (Go to C4)

C4. If we don't change current management practices (Status Quo), do you think that the coral reefs conditions in 10 to 20 years in Puerto Rico will

- a. Stay the same
- b. Improve
- c. Worsen

I now will present to you a set of reef conditions at different prices and will ask you for your most preferred option.

The Status Quo means no change in the management of the coral reef ecosystems and choosing this option will cost your household nothing (\$0), but will result in the poorest or lowest conditions of coral reef ecosystems on all Puerto Rico's coral reefs, except a few places that are already specially protected.

In each set of options, you will always have the option of choosing the Status Quo as your most preferred option.

Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.

Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

Hand the respondent the card with Choice Set Number 1.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, one reef condition is at a low level, three at the medium level and seven at the high level of condition and will cost your household \$1,000 per trip. For Option C, five reef conditions are at the low level, one at the medium level and five are at the high condition and this will cost your household \$750 per trip.

C5. Which option do you prefer? _____

C6. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C7. Please provide a brief comment that helps us understand why you chose the option as your most preferred option?

Hand respondent the Economic Valuations Card

C8. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.

_____ (letter)

Hand respondent the card with Choice Set Number 2.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, three reef conditions are at a low level, five at the medium level and three are at the high level and will cost your household \$500 per trip. For Option C, three reef conditions are at the low level, two at the medium level and six at the high condition and this will cost your household \$750 per trip.

C9. Which option do you prefer? _____

C10. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C11. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

C12. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
_____(letter)

C13. Did you understand that the dollar amount for each alternative was the per trip cost to your household?
a. Yes
b. No

C14. There are different ways for people to pay for new programs to protect the environment. One way is for the government to pay the cost. This will raise everyone's taxes. The other way is for businesses to pay the cost. This will make prices go up for everyone. Another way is for the government to create incentives for investment in environmental protection. Still another way is for businesses to pay the cost. This will make prices go up for everyone.

If you had to choose, would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
____ (letter)

C15. Who do you think should manage the additional funding obtained for reef management?

____ The Federal government ____ the Territorial government ____ Non Government Organization like The Nature Conservancy or Protectores de Cuencas, a local organization ____ Other (Specify _____)

C16. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select on answer only. ____ (letter)

C17. We would like to learn more about how you reacted to the questions that asked you to choose between various options of reef conditions. Please refer to Section 4 of the Economics Valuation Card. As I read each statement tell me the letter corresponding to your answer.

Check the box corresponding to the respondent's answer for each statement.

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively Manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

regulations that result in higher prices or taxes to businesses and households.					
---------------------------------------------------------------------------------	--	--	--	--	--

C18. What condition are the reefs in that you personally visit or use?

- a. Low
- b. Medium
- c. High

C19. How certain are you that additional funding would achieve the goals of protecting the environment? Please refer to Section 5 of the Economic Valuation Card and tell me the letter corresponding to your answer. Select one answer only. ___ (letter)

C20. Please provide us any other comments you would like to make to help us understand your views about coral reefs in Puerto Rico and your responses to this survey.

Go to Part D: Demographics

Part D: Demographic Profile

In this final section, we need to know information about you and your household to make sure we have a representative sample of Puerto Rico visitors.

Again, your privacy will be protected and any information identifying you or your household will not be revealed to anyone.

Hand respondent Green Card

D1. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.

- | | | |
|---------------------------|---------------------|-------------------|
| A Recreation or vacation | C Business trip | E Other (specify) |
| B Visit family or friends | D Business/pleasure | |

Finally, for statistical purposes, we need to know a few things about yourself.

D2. In what year were you born? (Code last two digits) ___ ___

D3. Sex male female

D4. Are you Spanish, Hispanic, or Latino? Yes No

D5. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.

A ___ White

B ___ Black or African American

C ___ American Indian or Alaskan Native

D ___ Native Hawaiian or Pacific Islander

D6. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.

^a ^b ^c ^d ^e ^f ^g ^h ⁱ ^j ^k ^l ^m ⁿ ^o refused

Thank You that is the end of our Survey.

If you would like to be included in the sweepstakes/lottery, if you could provide us contact information to award the prizes.

Telephone _____ **e-mail** _____

Mailing address: _____

On-site Survey – Version 4a

On-site Survey Number: _____

Screening Criteria: 1) Visiting PR and did reef activities
(See Tally Sheet) 2) Meets Exit condition

Site: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)

(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

Country: _____

- | | | |
|---------------------------------------------|-----------------------------------------|------------------------------------|
| <input type="radio"/> U.S.A | <input type="radio"/> Australia/Oceania | <input type="radio"/> Other Europe |
| <input type="radio"/> Canada | <input type="radio"/> Japan | <input type="radio"/> Middle East |
| <input type="radio"/> Mexico | <input type="radio"/> Other Far East | <input type="radio"/> Africa |
| <input type="radio"/> Central Am./South Am. | <input type="radio"/> United Kingdom | <input type="radio"/> Other |

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in

Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is equal to Q.5.

Part B: Coral reef use in the Puerto Rico during this trip.

Hand respondent Blue Card with Activities List for reef use and maps of the Puerto Rico Regions

- B1. Which activities did you or someone in your household do on natural/coral reefs during this trip in northwest Puerto Rico (Region 1), southwest Puerto Rico (Region 2), southeast Puerto Rico (Region 3), northeast Puerto Rico (Region 4) and the islands of Culebra and Vieques (Region 5)?**

If respondent did not do anything in a region, check the box indicating no reef use in the region

- B2. Did you, yourself, do (*read activity*) during this trip in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your party did each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during the past 12 months?**
- B4. On how many different days did you, yourself, participate in each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Note: Count any part of a day as a whole day for each activity.

- B5. How many different dives did you, yourself, make for each type of diving activity you did on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Diving activities include all snorkeling and scuba diving activities on the Blue Card-Activities List (Reef)

A dive is defined as an entry and exit from the water to snorkel or scuba dive

Please refer to Questions B1 – B5 when filling in the tables on the following two pages

There is one table for each of the five regions of the Puerto Rico (Region 1, Region 2, Region 3, Region 4, Region 5)

No Reef Use

Region 1

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 2

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 3

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 4

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

No Reef Use

Region 5

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # of days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

Part C. Economic Valuation of Puerto Rico's Coral Reef Ecosystems

In this section of the survey, I will first present to you some definitions and scientific facts about Puerto Rico's coral reef ecosystems. I will then present you with different reef conditions and the cost to your household to achieve those conditions. I will then ask you to choose among a set of different conditions and the cost to your household.

First, here are some definitions of what we mean by coral reefs and coral reef ecosystems.

Hand respondent the Reef Definitions and Conditions Information Card.

Please read the Reef Definitions and Conditions Card.

C1. Do you have any questions about these definitions or reef conditions?

After answering questions, show respondent cards with examples of the kinds of stony corals, soft corals, sponges, fish and macroinvertebrates that have been observed on Puerto Rico's coral reef ecosystems.

After respondent finishes viewing the cards, present the Management Solutions card.

Please read the information on the card and tell me when you are done.

C2. Do you have any questions before we proceed?

After answering respondents questions, proceed.

C3. Did you believe the information by coral scientists that in 10 to 20 years if current management practices continue that nearly all the coral reefs in Puerto Rico would be in a poor or low condition?

- a. Yes
- b. No (Go to C4)

C4. If we don't change current management practices (Status Quo), do you think that the coral reefs conditions in 10 to 20 years in Puerto Rico will

- a. Stay the same
- b. Improve
- c. Worsen

I now will present to you a set of reef conditions at different prices and will ask you for your most preferred option.

The Status Quo means no change in the management of the coral reef ecosystems and choosing this option will cost your household nothing (\$0), but will result in the poorest or lowest conditions of coral reef ecosystems on all Puerto Rico's coral reefs, except a few places that are already specially protected.

In each set of options, you will always have the option of choosing the Status Quo as your most preferred option.

Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.

Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

Hand the respondent the card with Choice Set Number 1.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, three reef conditions are at a low level, three at the medium level and five at the high level of condition and will cost your household \$1,000 per trip. For Option C, four reef conditions are at the low level, four at the medium level and two are at the high condition and this will cost your household \$750 per trip.

C5. Which option do you prefer? _____

C6. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C7. Please provide a brief comment that helps us understand why you chose the option as your most preferred option?

Hand respondent the Economic Valuations Card

C8. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.

_____ (letter)

Hand respondent the card with Choice Set Number 2.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, four reef conditions are at a low level, four at the medium level and three are at the high level and will cost your household \$60 per trip. For Option C, three reef conditions are at the low level, two at the medium level and six at the high condition and this will cost your household \$125 per trip.

C9. Which option do you prefer? _____

C10. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C11. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

C12. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
_____(letter)

C13. Did you understand that the dollar amount for each alternative was the per trip cost to your household?
a. Yes
b. No

C14. There are different ways for people to pay for new programs to protect the environment. One way is for the government to pay the cost. This will raise everyone's taxes. The other way is for businesses to pay the cost. This will make prices go up for everyone. Another way is for the government to create incentives for investment in environmental protection. Still another way is for businesses to pay the cost. This will make prices go up for everyone.

If you had to choose, would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
____ (letter)

C15. Who do you think should manage the additional funding obtained for reef management?

____ The Federal government ____ the Territorial government ____ Non Government Organization like The Nature Conservancy or Protectores de Cuencas, a local organization ____ Other (Specify _____)

C16. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select on answer only. ____ (letter)

C17. We would like to learn more about how you reacted to the questions that asked you to choose between various options of reef conditions. Please refer to Section 4 of the Economics Valuation Card. As I read each statement tell me the letter corresponding to your answer.

Check the box corresponding to the respondent's answer for each statement.

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively Manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

regulations that result in higher prices or taxes to businesses and households.					
---------------------------------------------------------------------------------	--	--	--	--	--

C18. What condition are the reefs in that you personally visit or use?

- a. Low
- b. Medium
- c. High

C19. How certain are you that additional funding would achieve the goals of protecting the environment? Please refer to Section 5 of the Economic Valuation Card and tell me the letter corresponding to your answer. Select one answer only. ___ (letter)

C20. Please provide us any other comments you would like to make to help us understand your views about coral reefs in Puerto Rico and your responses to this survey.

Go to Part D: Demographics

Part D: Demographic Profile

In this final section, we need to know information about you and your household to make sure we have a representative sample of Puerto Rico visitors.

Again, your privacy will be protected and any information identifying you or your household will not be revealed to anyone.

Hand respondent Green Card

D1. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.

- | | | |
|---------------------------|---------------------|-------------------|
| A Recreation or vacation | C Business trip | E Other (specify) |
| B Visit family or friends | D Business/pleasure | |

Finally, for statistical purposes, we need to know a few things about yourself.

D2. In what year were you born? (Code last two digits) ___ ___

D3. Sex male female

D4. Are you Spanish, Hispanic, or Latino? Yes No

D5. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.

A ___ White

B ___ Black or African American

C ___ American Indian or Alaskan Native

D ___ Native Hawaiian or Pacific Islander

D6. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.

^a ^b ^c ^d ^e ^f ^g ^h ⁱ ^j ^k ^l ^m ⁿ ^o refused

Thank You that is the end of our Survey.

If you would like to be included in the sweepstakes/lottery, if you could provide us contact information to award the prizes.

Telephone _____ **e-mail** _____

Mailing address: _____

On-site Survey – Version 4b

On-site Survey Number: _____

Screening Criteria: 1) Visiting PR and did reef activities
(See Tally Sheet) 2) Meets Exit condition

Site: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)

(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

Country: _____

- | | | |
|---------------------------------------------|-----------------------------------------|------------------------------------|
| <input type="radio"/> U.S.A | <input type="radio"/> Australia/Oceania | <input type="radio"/> Other Europe |
| <input type="radio"/> Canada | <input type="radio"/> Japan | <input type="radio"/> Middle East |
| <input type="radio"/> Mexico | <input type="radio"/> Other Far East | <input type="radio"/> Africa |
| <input type="radio"/> Central Am./South Am. | <input type="radio"/> United Kingdom | <input type="radio"/> Other |

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in

Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is equal to Q.5.

Part B: Coral reef use in the Puerto Rico during this trip.

Hand respondent Blue Card with Activities List for reef use and maps of the Puerto Rico Regions

- B1. Which activities did you or someone in your household do on natural/coral reefs during this trip in northwest Puerto Rico (Region 1), southwest Puerto Rico (Region 2), southeast Puerto Rico (Region 3), northeast Puerto Rico (Region 4) and the islands of Culebra and Vieques (Region 5)?**

If respondent did not do anything in a region, check the box indicating no reef use in the region

- B2. Did you, yourself, do (*read activity*) during this trip in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your party did each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during the past 12 months?**
- B4. On how many different days did you, yourself, participate in each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Note: Count any part of a day as a whole day for each activity.

- B5. How many different dives did you, yourself, make for each type of diving activity you did on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Diving activities include all snorkeling and scuba diving activities on the Blue Card-Activities List (Reef)

A dive is defined as an entry and exit from the water to snorkel or scuba dive

Please refer to Questions B1 – B5 when filling in the tables on the following two pages

There is one table for each of the five regions of the Puerto Rico (Region 1, Region 2, Region 3, Region 4, Region 5)

No Reef Use

Region 1

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 2

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 3

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 4

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

No Reef Use

Region 5

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # of days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

Part C. Economic Valuation of Puerto Rico's Coral Reef Ecosystems

In this section of the survey, I will first present to you some definitions and scientific facts about Puerto Rico's coral reef ecosystems. I will then present you with different reef conditions and the cost to your household to achieve those conditions. I will then ask you to choose among a set of different conditions and the cost to your household.

First, here are some definitions of what we mean by coral reefs and coral reef ecosystems.

Hand respondent the Reef Definitions and Conditions Information Card.

Please read the Reef Definitions and Conditions Card.

C1. Do you have any questions about these definitions or reef conditions?

After answering questions, show respondent cards with examples of the kinds of stony corals, soft corals, sponges, fish and macroinvertebrates that have been observed on Puerto Rico's coral reef ecosystems.

After respondent finishes viewing the cards, present the Management Solutions card.

Please read the information on the card and tell me when you are done.

C2. Do you have any questions before we proceed?

After answering respondents questions, proceed.

C3. Did you believe the information by coral scientists that in 10 to 20 years if current management practices continue that nearly all the coral reefs in Puerto Rico would be in a poor or low condition?

- a. Yes
- b. No (Go to C4)

C4. If we don't change current management practices (Status Quo), do you think that the coral reefs conditions in 10 to 20 years in Puerto Rico will

- a. Stay the same
- b. Improve
- c. Worsen

I now will present to you a set of reef conditions at different prices and will ask you for your most preferred option.

The Status Quo means no change in the management of the coral reef ecosystems and choosing this option will cost your household nothing (\$0), but will result in the poorest or lowest conditions of coral reef ecosystems on all Puerto Rico's coral reefs, except a few places that are already specially protected.

In each set of options, you will always have the option of choosing the Status Quo as your most preferred option.

Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.

Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

Hand the respondent the card with Choice Set Number 1.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, four reef conditions are at a low level, two at the medium level and five at the high level of condition and will cost your household \$1,000 per trip. For Option C, three reef conditions are at the low level, three at the medium level and five are at the high condition and this will cost your household \$750 per trip.

C5. Which option do you prefer? _____

C6. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C7. Please provide a brief comment that helps us understand why you chose the option as your most preferred option?

Hand respondent the Economic Valuations Card

C8. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.

_____ (letter)

Hand respondent the card with Choice Set Number 2.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, three reef conditions are at a low level, one at the medium level and seven are at the high level and will cost your household \$250 per trip. For Option C, three reef conditions are at the low level, six at the medium level and two at the high condition and this will cost your household \$60 per trip.

C9. Which option do you prefer? _____

C10. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C11. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

C12. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
_____(letter)

C13. Did you understand that the dollar amount for each alternative was the per trip cost to your household?
a. Yes
b. No

C14. There are different ways for people to pay for new programs to protect the environment. One way is for the government to pay the cost. This will raise everyone's taxes. The other way is for businesses to pay the cost. This will make prices go up for everyone. Another way is for the government to create incentives for investment in environmental protection. Still another way is for businesses to pay the cost. This will make prices go up for everyone.

If you had to choose, would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
___ (letter)

C15. Who do you think should manage the additional funding obtained for reef management?

___ The Federal government ___ the Territorial government ___ Non Government Organization like The Nature Conservancy or Protectores de Cuencas, a local organization ___ Other (Specify _____)

C16. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select on answer only. ___ (letter)

C17. We would like to learn more about how you reacted to the questions that asked you to choose between various options of reef conditions. Please refer to Section 4 of the Economics Valuation Card. As I read each statement tell me the letter corresponding to your answer.

Check the box corresponding to the respondent's answer for each statement.

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively Manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

regulations that result in higher prices or taxes to businesses and households.					
---------------------------------------------------------------------------------	--	--	--	--	--

C18. What condition are the reefs in that you personally visit or use?

- a. Low
- b. Medium
- c. High

C19. How certain are you that additional funding would achieve the goals of protecting the environment? Please refer to Section 5 of the Economic Valuation Card and tell me the letter corresponding to your answer. Select one answer only. ___ (letter)

C20. Please provide us any other comments you would like to make to help us understand your views about coral reefs in Puerto Rico and your responses to this survey.

Go to Part D: Demographics

Part D: Demographic Profile

In this final section, we need to know information about you and your household to make sure we have a representative sample of Puerto Rico visitors.

Again, your privacy will be protected and any information identifying you or your household will not be revealed to anyone.

Hand respondent Green Card

D1. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.

- | | | |
|---------------------------|---------------------|-------------------|
| A Recreation or vacation | C Business trip | E Other (specify) |
| B Visit family or friends | D Business/pleasure | |

Finally, for statistical purposes, we need to know a few things about yourself.

D2. In what year were you born? (Code last two digits) ___ ___

D3. Sex male female

D4. Are you Spanish, Hispanic, or Latino? Yes No

D5. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.

A ___ White

B ___ Black or African American

C ___ American Indian or Alaskan Native

D ___ Native Hawaiian or Pacific Islander

D6. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.

^a ^b ^c ^d ^e ^f ^g ^h ⁱ ^j ^k ^l ^m ⁿ ^o refused

Thank You that is the end of our Survey.

If you would like to be included in the sweepstakes/lottery, if you could provide us contact information to award the prizes.

Telephone _____ **e-mail** _____

Mailing address: _____

On-site Survey – Version 5a

On-site Survey Number: _____

Screening Criteria: 1) Visiting PR and did reef activities
(See Tally Sheet) 2) Meets Exit condition

Site: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)

(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

Country: _____

- | | | |
|---------------------------------------------|-----------------------------------------|------------------------------------|
| <input type="radio"/> U.S.A | <input type="radio"/> Australia/Oceania | <input type="radio"/> Other Europe |
| <input type="radio"/> Canada | <input type="radio"/> Japan | <input type="radio"/> Middle East |
| <input type="radio"/> Mexico | <input type="radio"/> Other Far East | <input type="radio"/> Africa |
| <input type="radio"/> Central Am./South Am. | <input type="radio"/> United Kingdom | <input type="radio"/> Other |

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in

Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is not equal to Q.5.

Part B: Coral reef use in the Puerto Rico during this trip.

Hand respondent Blue Card with Activities List for reef use and maps of the Puerto Rico Regions

- B1. Which activities did you or someone in your household do on natural/coral reefs during this trip in northwest Puerto Rico (Region 1), southwest Puerto Rico (Region 2), southeast Puerto Rico (Region 3), northeast Puerto Rico (Region 4) and the islands of Culebra and Vieques (Region 5)?**

If respondent did not do anything in a region, check the box indicating no reef use in the region

- B2. Did you, yourself, do (*read activity*) during this trip in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your party did each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during the past 12 months?**
- B4. On how many different days did you, yourself, participate in each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Note: Count any part of a day as a whole day for each activity.

- B5. How many different dives did you, yourself, make for each type of diving activity you did on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Diving activities include all snorkeling and scuba diving activities on the Blue Card-Activities List (Reef)

A dive is defined as an entry and exit from the water to snorkel or scuba dive

Please refer to Questions B1 – B5 when filling in the tables on the following two pages

There is one table for each of the five regions of the Puerto Rico (Region 1, Region 2, Region 3, Region 4, Region 5)

No Reef Use

Region 1

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 2

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 3

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 4

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

No Reef Use

Region 5

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # of days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

Part C. Economic Valuation of Puerto Rico's Coral Reef Ecosystems

In this section of the survey, I will first present to you some definitions and scientific facts about Puerto Rico's coral reef ecosystems. I will then present you with different reef conditions and the cost to your household to achieve those conditions. I will then ask you to choose among a set of different conditions and the cost to your household.

First, here are some definitions of what we mean by coral reefs and coral reef ecosystems.

Hand respondent the Reef Definitions and Conditions Information Card.

Please read the Reef Definitions and Conditions Card.

C1. Do you have any questions about these definitions or reef conditions?

After answering questions, show respondent cards with examples of the kinds of stony corals, soft corals, sponges, fish and macroinvertebrates that have been observed on Puerto Rico's coral reef ecosystems.

After respondent finishes viewing the cards, present the Management Solutions card.

Please read the information on the card and tell me when you are done.

C2. Do you have any questions before we proceed?

After answering respondents questions, proceed.

C3. Did you believe the information by coral scientists that in 10 to 20 years if current management practices continue that nearly all the coral reefs in Puerto Rico would be in a poor or low condition?

- a. Yes
- b. No (Go to C4)

C4. If we don't change current management practices (Status Quo), do you think that the coral reefs conditions in 10 to 20 years in Puerto Rico will

- a. Stay the same
- b. Improve
- c. Worsen

I now will present to you a set of reef conditions at different prices and will ask you for your most preferred option.

The Status Quo means no change in the management of the coral reef ecosystems and choosing this option will cost your household nothing (\$0), but will result in the poorest or lowest conditions of coral reef ecosystems on all Puerto Rico's coral reefs, except a few places that are already specially protected.

In each set of options, you will always have the option of choosing the Status Quo as your most preferred option.

Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.

Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

Hand the respondent the card with Choice Set Number 1.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, three reef conditions are at a low level, four at the medium level and four at the high level of condition and will cost your household \$500 per trip. For Option C, five reef conditions are at the low level, three at the medium level and three are at the high condition and this will cost your household \$250 per trip.

C5. Which option do you prefer? _____

C6. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C7. Please provide a brief comment that helps us understand why you chose the option as your most preferred option?

Hand respondent the Economic Valuations Card

C8. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.

_____ (letter)

Hand respondent the card with Choice Set Number 2.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, two reef conditions are at a low level, four at the medium level and five are at the high level and will cost your household \$1,000 per trip. For Option C, five reef conditions are at the low level, two at the medium level and four at the high condition and this will cost your household \$750 per trip.

C9. Which option do you prefer? _____

C10. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C11. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

C12. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
_____(letter)

C13. Did you understand that the dollar amount for each alternative was the per trip cost to your household?
a. Yes
b. No

C14. There are different ways for people to pay for new programs to protect the environment. One way is for the government to pay the cost. This will raise everyone's taxes. The other way is for businesses to pay the cost. This will make prices go up for everyone. Another way is for the government to create incentives for investment in environmental protection. Still another way is for businesses to pay the cost. This will make prices go up for everyone.

If you had to choose, would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
____ (letter)

C15. Who do you think should manage the additional funding obtained for reef management?

____ The Federal government ____ the Territorial government ____ Non Government Organization like The Nature Conservancy or Protectores de Cuencas, a local organization ____ Other (Specify _____)

C16. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select on answer only. ____ (letter)

C17. We would like to learn more about how you reacted to the questions that asked you to choose between various options of reef conditions. Please refer to Section 4 of the Economics Valuation Card. As I read each statement tell me the letter corresponding to your answer.

Check the box corresponding to the respondent's answer for each statement.

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively Manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

regulations that result in higher prices or taxes to businesses and households.					
---------------------------------------------------------------------------------	--	--	--	--	--

C18. What condition are the reefs in that you personally visit or use?

- a. Low
- b. Medium
- c. High

C19. How certain are you that additional funding would achieve the goals of protecting the environment? Please refer to Section 5 of the Economic Valuation Card and tell me the letter corresponding to your answer. Select one answer only. ___ (letter)

C20. Please provide us any other comments you would like to make to help us understand your views about coral reefs in Puerto Rico and your responses to this survey.

Go to Part D: Demographics

Part D: Demographic Profile

In this final section, we need to know information about you and your household to make sure we have a representative sample of Puerto Rico visitors.

Again, your privacy will be protected and any information identifying you or your household will not be revealed to anyone.

Hand respondent Green Card

D1. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.

- | | | |
|---------------------------|---------------------|-------------------|
| A Recreation or vacation | C Business trip | E Other (specify) |
| B Visit family or friends | D Business/pleasure | |

Finally, for statistical purposes, we need to know a few things about yourself.

D2. In what year were you born? (Code last two digits) ___ ___

D3. Sex male female

D4. Are you Spanish, Hispanic, or Latino? Yes No

D5. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.

A ___ White

B ___ Black or African American

C ___ American Indian or Alaskan Native

D ___ Native Hawaiian or Pacific Islander

D6. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.

^a ^b ^c ^d ^e ^f ^g ^h ⁱ ^j ^k ^l ^m ⁿ ^o refused

Thank You that is the end of our Survey.

If you would like to be included in the sweepstakes/lottery, if you could provide us contact information to award the prizes.

Telephone _____ **e-mail** _____

Mailing address: _____

On-site Survey – Version 5b

On-site Survey Number: _____

Screening Criteria: 1) Visiting PR and did reef activities
(See Tally Sheet) 2) Meets Exit condition

Site: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)

(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

Country: _____

- | | | |
|---------------------------------------------|-----------------------------------------|------------------------------------|
| <input type="radio"/> U.S.A | <input type="radio"/> Australia/Oceania | <input type="radio"/> Other Europe |
| <input type="radio"/> Canada | <input type="radio"/> Japan | <input type="radio"/> Middle East |
| <input type="radio"/> Mexico | <input type="radio"/> Other Far East | <input type="radio"/> Africa |
| <input type="radio"/> Central Am./South Am. | <input type="radio"/> United Kingdom | <input type="radio"/> Other |

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in

Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is equal to Q.5.

Part B: Coral reef use in the Puerto Rico during this trip.

Hand respondent Blue Card with Activities List for reef use and maps of the Puerto Rico Regions

- B1. Which activities did you or someone in your household do on natural/coral reefs during this trip in northwest Puerto Rico (Region 1), southwest Puerto Rico (Region 2), southeast Puerto Rico (Region 3), northeast Puerto Rico (Region 4) and the islands of Culebra and Vieques (Region 5)?**

If respondent did not do anything in a region, check the box indicating no reef use in the region

- B2. Did you, yourself, do (*read activity*) during this trip in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your party did each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during the past 12 months?**
- B4. On how many different days did you, yourself, participate in each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Note: Count any part of a day as a whole day for each activity.

- B5. How many different dives did you, yourself, make for each type of diving activity you did on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Diving activities include all snorkeling and scuba diving activities on the Blue Card-Activities List (Reef)

A dive is defined as an entry and exit from the water to snorkel or scuba dive

Please refer to Questions B1 – B5 when filling in the tables on the following two pages

There is one table for each of the five regions of the Puerto Rico (Region 1, Region 2, Region 3, Region 4, Region 5)

No Reef Use

Region 1

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 2

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 3

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 4

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

No Reef Use

Region 5

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # of days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

Part C. Economic Valuation of Puerto Rico's Coral Reef Ecosystems

In this section of the survey, I will first present to you some definitions and scientific facts about Puerto Rico's coral reef ecosystems. I will then present you with different reef conditions and the cost to your household to achieve those conditions. I will then ask you to choose among a set of different conditions and the cost to your household.

First, here are some definitions of what we mean by coral reefs and coral reef ecosystems.

Hand respondent the Reef Definitions and Conditions Information Card.

Please read the Reef Definitions and Conditions Card.

C1. Do you have any questions about these definitions or reef conditions?

After answering questions, show respondent cards with examples of the kinds of stony corals, soft corals, sponges, fish and macroinvertebrates that have been observed on Puerto Rico's coral reef ecosystems.

After respondent finishes viewing the cards, present the Management Solutions card.

Please read the information on the card and tell me when you are done.

C2. Do you have any questions before we proceed?

After answering respondents questions, proceed.

C3. Did you believe the information by coral scientists that in 10 to 20 years if current management practices continue that nearly all the coral reefs in Puerto Rico would be in a poor or low condition?

- a. Yes
- b. No (Go to C4)

C4. If we don't change current management practices (Status Quo), do you think that the coral reefs conditions in 10 to 20 years in Puerto Rico will

- a. Stay the same
- b. Improve
- c. Worsen

I now will present to you a set of reef conditions at different prices and will ask you for your most preferred option.

The Status Quo means no change in the management of the coral reef ecosystems and choosing this option will cost your household nothing (\$0), but will result in the poorest or lowest conditions of coral reef ecosystems on all Puerto Rico's coral reefs, except a few places that are already specially protected.

In each set of options, you will always have the option of choosing the Status Quo as your most preferred option.

Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.

Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

Hand the respondent the card with Choice Set Number 1.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, five reef conditions are at a low level, one at the medium level and five at the high level of condition and will cost your household \$125 per trip. For Option C, five reef conditions are at the low level, three at the medium level and three are at the high condition and this will cost your household \$60 per trip.

C5. Which option do you prefer? _____

C6. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer? _____ (number of days per year)

C7. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

Hand respondent the Economic Valuations Card

C8. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.

_____ (letter)

Hand respondent the card with Choice Set Number 2.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, two reef conditions are at a low level, two at the medium level and seven are at the high level and will cost your household \$1,000 per trip. For Option C, five reef conditions are at the low level, two at the medium level and four at the high condition and this will cost your household \$750 per trip.

C9. Which option do you prefer? _____

C10. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C11. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

C12. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
_____(letter)

C13. Did you understand that the dollar amount for each alternative was the per trip cost to your household?
a. Yes
b. No

C14. There are different ways for people to pay for new programs to protect the environment. One way is for the government to pay the cost. This will raise everyone's taxes. The other way is for businesses to pay the cost. This will make prices go up for everyone. Another way is for the government to create incentives for investment in environmental protection. Still another way is for businesses to pay the cost. This will make prices go up for everyone.

If you had to choose, would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
____ (letter)

C15. Who do you think should manage the additional funding obtained for reef management?

____ The Federal government ____ the Territorial government ____ Non Government Organization like The Nature Conservancy or Protectores de Cuencas, a local organization ____ Other (Specify _____)

C16. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select on answer only. ____ (letter)

C17. We would like to learn more about how you reacted to the questions that asked you to choose between various options of reef conditions. Please refer to Section 4 of the Economics Valuation Card. As I read each statement tell me the letter corresponding to your answer.

Check the box corresponding to the respondent's answer for each statement.

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively Manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

regulations that result in higher prices or taxes to businesses and households.					
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C18. What condition are the reefs in that you personally visit or use?

- a. Low
- b. Medium
- c. High

C19. How certain are you that additional funding would achieve the goals of protecting the environment? Please refer to Section 5 of the Economic Valuation Card and tell me the letter corresponding to your answer. Select one answer only. ___ (letter)

C20. Please provide us any other comments you would like to make to help us understand your views about coral reefs in Puerto Rico and your responses to this survey.

Go to Part D: Demographics

Part D: Demographic Profile

In this final section, we need to know information about you and your household to make sure we have a representative sample of Puerto Rico visitors.

Again, your privacy will be protected and any information identifying you or your household will not be revealed to anyone.

Hand respondent Green Card

D1. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.

- | | | |
|---------------------------|---------------------|-------------------|
| A Recreation or vacation | C Business trip | E Other (specify) |
| B Visit family or friends | D Business/pleasure | |

Finally, for statistical purposes, we need to know a few things about yourself.

D2. In what year were you born? (Code last two digits) ___ ___

D3. Sex male female

D4. Are you Spanish, Hispanic, or Latino? Yes No

D5. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.

A ___ White

B ___ Black or African American

C ___ American Indian or Alaskan Native

D ___ Native Hawaiian or Pacific Islander

D6. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.

^a ^b ^c ^d ^e ^f ^g ^h ⁱ ^j ^k ^l ^m ⁿ ^o refused

Thank You that is the end of our Survey.

If you would like to be included in the sweepstakes/lottery, if you could provide us contact information to award the prizes.

Telephone _____ **e-mail** _____

Mailing address: _____

On-site Survey – Version 6a

On-site Survey Number: _____

Screening Criteria: 1) Visiting PR and did reef activities
(See Tally Sheet) 2) Meets Exit condition

Site: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)

(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

Country: _____

- | | | |
|---------------------------------------------|-----------------------------------------|------------------------------------|
| <input type="radio"/> U.S.A | <input type="radio"/> Australia/Oceania | <input type="radio"/> Other Europe |
| <input type="radio"/> Canada | <input type="radio"/> Japan | <input type="radio"/> Middle East |
| <input type="radio"/> Mexico | <input type="radio"/> Other Far East | <input type="radio"/> Africa |
| <input type="radio"/> Central Am./South Am. | <input type="radio"/> United Kingdom | <input type="radio"/> Other |

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in

Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is not equal to Q.5.

Part B: Coral reef use in the Puerto Rico during this trip.

Hand respondent Blue Card with Activities List for reef use and maps of the Puerto Rico Regions

- B1. Which activities did you or someone in your household do on natural/coral reefs during this trip in northwest Puerto Rico (Region 1), southwest Puerto Rico (Region 2), southeast Puerto Rico (Region 3), northeast Puerto Rico (Region 4) and the islands of Culebra and Vieques (Region 5)?**

If respondent did not do anything in a region, check the box indicating no reef use in the region

- B2. Did you, yourself, do (*read activity*) during this trip in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your party did each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during the past 12 months?**
- B4. On how many different days did you, yourself, participate in each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Note: Count any part of a day as a whole day for each activity.

- B5. How many different dives did you, yourself, make for each type of diving activity you did on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Diving activities include all snorkeling and scuba diving activities on the Blue Card-Activities List (Reef)

A dive is defined as an entry and exit from the water to snorkel or scuba dive

Please refer to Questions B1 – B5 when filling in the tables on the following two pages

There is one table for each of the five regions of the Puerto Rico (Region 1, Region 2, Region 3, Region 4, Region 5)

No Reef Use

Region 1

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 2

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 3

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 4

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

No Reef Use

Region 5

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # of days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

Part C. Economic Valuation of Puerto Rico's Coral Reef Ecosystems

In this section of the survey, I will first present to you some definitions and scientific facts about Puerto Rico's coral reef ecosystems. I will then present you with different reef conditions and the cost to your household to achieve those conditions. I will then ask you to choose among a set of different conditions and the cost to your household.

First, here are some definitions of what we mean by coral reefs and coral reef ecosystems.

Hand respondent the Reef Definitions and Conditions Information Card.

Please read the Reef Definitions and Conditions Card.

C1. Do you have any questions about these definitions or reef conditions?

After answering questions, show respondent cards with examples of the kinds of stony corals, soft corals, sponges, fish and macroinvertebrates that have been observed on Puerto Rico's coral reef ecosystems.

After respondent finishes viewing the cards, present the Management Solutions card.

Please read the information on the card and tell me when you are done.

C2. Do you have any questions before we proceed?

After answering respondents questions, proceed.

C3. Did you believe the information by coral scientists that in 10 to 20 years if current management practices continue that nearly all the coral reefs in Puerto Rico would be in a poor or low condition?

- a. Yes
- b. No (Go to C4)

C4. If we don't change current management practices (Status Quo), do you think that the coral reefs conditions in 10 to 20 years in Puerto Rico will

- a. Stay the same
- b. Improve
- c. Worsen

I now will present to you a set of reef conditions at different prices and will ask you for your most preferred option.

The Status Quo means no change in the management of the coral reef ecosystems and choosing this option will cost your household nothing (\$0), but will result in the poorest or lowest conditions of coral reef ecosystems on all Puerto Rico's coral reefs, except a few places that are already specially protected.

In each set of options, you will always have the option of choosing the Status Quo as your most preferred option.

Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.

Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

Hand the respondent the card with Choice Set Number 1.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, two reef conditions are at a low level, three at the medium level and six at the high level of condition and will cost your household \$750 per trip. For Option C, four reef conditions are at the low level, four at the medium level and three are at the high condition and this will cost your household \$500 per trip.

C5. Which option do you prefer? _____

C6. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C7. Please provide a brief comment that helps us understand why you chose the option as your most preferred option?

Hand respondent the Economic Valuations Card

C8. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.

_____ (letter)

Hand respondent the card with Choice Set Number 2.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, four reef conditions are at a low level, four at the medium level and three are at the high level and will cost your household \$60 per trip. For Option C, four reef conditions are at the low level, one at the medium level and six at the high condition and this will cost your household \$250 per trip.

C9. Which option do you prefer? _____

C10. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C11. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

C12. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
_____(letter)

C13. Did you understand that the dollar amount for each alternative was the per trip cost to your household?
a. Yes
b. No

C14. There are different ways for people to pay for new programs to protect the environment. One way is for the government to pay the cost. This will raise everyone's taxes. The other way is for businesses to pay the cost. This will make prices go up for everyone. Another way is for the government to create incentives for investment in environmental protection. Still another way is for businesses to pay the cost. This will make prices go up for everyone.

If you had to choose, would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
____ (letter)

C15. Who do you think should manage the additional funding obtained for reef management?

____ The Federal government ____ the Territorial government ____ Non Government Organization like The Nature Conservancy or Protectores de Cuencas, a local organization ____ Other (Specify _____)

C16. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select on answer only. ____ (letter)

C17. We would like to learn more about how you reacted to the questions that asked you to choose between various options of reef conditions. Please refer to Section 4 of the Economics Valuation Card. As I read each statement tell me the letter corresponding to your answer.

Check the box corresponding to the respondent's answer for each statement.

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively Manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

regulations that result in higher prices or taxes to businesses and households.					
---------------------------------------------------------------------------------	--	--	--	--	--

C18. What condition are the reefs in that you personally visit or use?

- a. Low
- b. Medium
- c. High

C19. How certain are you that additional funding would achieve the goals of protecting the environment? Please refer to Section 5 of the Economic Valuation Card and tell me the letter corresponding to your answer. Select one answer only. ___ (letter)

C20. Please provide us any other comments you would like to make to help us understand your views about coral reefs in Puerto Rico and your responses to this survey.

Go to Part D: Demographics

Part D: Demographic Profile

In this final section, we need to know information about you and your household to make sure we have a representative sample of Puerto Rico visitors.

Again, your privacy will be protected and any information identifying you or your household will not be revealed to anyone.

Hand respondent Green Card

D1. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.

- | | | |
|---------------------------|---------------------|-------------------|
| A Recreation or vacation | C Business trip | E Other (specify) |
| B Visit family or friends | D Business/pleasure | |

Finally, for statistical purposes, we need to know a few things about yourself.

D2. In what year were you born? (Code last two digits) ___ ___

D3. Sex male female

D4. Are you Spanish, Hispanic, or Latino? Yes No

D5. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.

A ___ White

B ___ Black or African American

C ___ American Indian or Alaskan Native

D ___ Native Hawaiian or Pacific Islander

D6. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.

^a ^b ^c ^d ^e ^f ^g ^h ⁱ ^j ^k ^l ^m ⁿ ^o refused

Thank You that is the end of our Survey.

If you would like to be included in the sweepstakes/lottery, if you could provide us contact information to award the prizes.

Telephone _____ **e-mail** _____

Mailing address: _____

On-site Survey – Version 6b

On-site Survey Number: _____

Screening Criteria: 1) Visiting PR and did reef activities
(See Tally Sheet) 2) Meets Exit condition

Site: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)

(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

Country: _____

- | | | |
|---------------------------------------------|-----------------------------------------|------------------------------------|
| <input type="radio"/> U.S.A | <input type="radio"/> Australia/Oceania | <input type="radio"/> Other Europe |
| <input type="radio"/> Canada | <input type="radio"/> Japan | <input type="radio"/> Middle East |
| <input type="radio"/> Mexico | <input type="radio"/> Other Far East | <input type="radio"/> Africa |
| <input type="radio"/> Central Am./South Am. | <input type="radio"/> United Kingdom | <input type="radio"/> Other |

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in

Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is equal to Q.5.

Part B: Coral reef use in the Puerto Rico during this trip.

Hand respondent Blue Card with Activities List for reef use and maps of the Puerto Rico Regions

- B1. Which activities did you or someone in your household do on natural/coral reefs during this trip in northwest Puerto Rico (Region 1), southwest Puerto Rico (Region 2), southeast Puerto Rico (Region 3), northeast Puerto Rico (Region 4) and the islands of Culebra and Vieques (Region 5)?**

If respondent did not do anything in a region, check the box indicating no reef use in the region

- B2. Did you, yourself, do (*read activity*) during this trip in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your party did each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during the past 12 months?**
- B4. On how many different days did you, yourself, participate in each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Note: Count any part of a day as a whole day for each activity.

- B5. How many different dives did you, yourself, make for each type of diving activity you did on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Diving activities include all snorkeling and scuba diving activities on the Blue Card-Activities List (Reef)

A dive is defined as an entry and exit from the water to snorkel or scuba dive

Please refer to Questions B1 – B5 when filling in the tables on the following two pages

There is one table for each of the five regions of the Puerto Rico (Region 1, Region 2, Region 3, Region 4, Region 5)

No Reef Use

Region 1

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 2

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 3

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 4

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

No Reef Use

Region 5

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # of days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

Part C. Economic Valuation of Puerto Rico's Coral Reef Ecosystems

In this section of the survey, I will first present to you some definitions and scientific facts about Puerto Rico's coral reef ecosystems. I will then present you with different reef conditions and the cost to your household to achieve those conditions. I will then ask you to choose among a set of different conditions and the cost to your household.

First, here are some definitions of what we mean by coral reefs and coral reef ecosystems.

Hand respondent the Reef Definitions and Conditions Information Card.

Please read the Reef Definitions and Conditions Card.

C1. Do you have any questions about these definitions or reef conditions?

After answering questions, show respondent cards with examples of the kinds of stony corals, soft corals, sponges, fish and macroinvertebrates that have been observed on Puerto Rico's coral reef ecosystems.

After respondent finishes viewing the cards, present the Management Solutions card.

Please read the information on the card and tell me when you are done.

C2. Do you have any questions before we proceed?

After answering respondents questions, proceed.

C3. Did you believe the information by coral scientists that in 10 to 20 years if current management practices continue that nearly all the coral reefs in Puerto Rico would be in a poor or low condition?

- a. Yes
- b. No (Go to C4)

C4. If we don't change current management practices (Status Quo), do you think that the coral reefs conditions in 10 to 20 years in Puerto Rico will

- a. Stay the same
- b. Improve
- c. Worsen

I now will present to you a set of reef conditions at different prices and will ask you for your most preferred option.

The Status Quo means no change in the management of the coral reef ecosystems and choosing this option will cost your household nothing (\$0), but will result in the poorest or lowest conditions of coral reef ecosystems on all Puerto Rico's coral reefs, except a few places that are already specially protected.

In each set of options, you will always have the option of choosing the Status Quo as your most preferred option.

Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.

Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

Hand the respondent the card with Choice Set Number 1.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, five reef conditions are at a low level, two at the medium level and four at the high level of condition and will cost your household \$60 per trip. For Option C, four reef conditions are at the low level, three at the medium level and four are at the high condition and this will cost your household \$125 per trip.

C5. Which option do you prefer? _____

C6. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C7. Please provide a brief comment that helps us understand why you chose the option as your most preferred option?

Hand respondent the Economic Valuations Card

C8. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.

_____ (letter)

Hand respondent the card with Choice Set Number 2.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, four reef conditions are at a low level, four at the medium level and three are at the high level and will cost your household \$250 per trip. For Option C, four reef conditions are at the low level, two at the medium level and five at the high condition and this will cost your household \$500 per trip.

C9. Which option do you prefer? _____

C10. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C11. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

C12. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
_____(letter)

C13. Did you understand that the dollar amount for each alternative was the per trip cost to your household?
a. Yes
b. No

C14. There are different ways for people to pay for new programs to protect the environment. One way is for the government to pay the cost. This will raise everyone's taxes. The other way is for businesses to pay the cost. This will make prices go up for everyone. Another way is for the government to create incentives for investment in environmental protection. Still another way is for businesses to pay the cost. This will make prices go up for everyone.

If you had to choose, would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
____ (letter)

C15. Who do you think should manage the additional funding obtained for reef management?

____ The Federal government ____ the Territorial government ____ Non Government Organization like The Nature Conservancy or Protectores de Cuencas, a local organization ____ Other (Specify _____)

C16. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select on answer only. ____ (letter)

C17. We would like to learn more about how you reacted to the questions that asked you to choose between various options of reef conditions. Please refer to Section 4 of the Economics Valuation Card. As I read each statement tell me the letter corresponding to your answer.

Check the box corresponding to the respondent's answer for each statement.

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively Manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

regulations that result in higher prices or taxes to businesses and households.					
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C18. What condition are the reefs in that you personally visit or use?

- a. Low
- b. Medium
- c. High

C19. How certain are you that additional funding would achieve the goals of protecting the environment? Please refer to Section 5 of the Economic Valuation Card and tell me the letter corresponding to your answer. Select one answer only. ___ (letter)

C20. Please provide us any other comments you would like to make to help us understand your views about coral reefs in Puerto Rico and your responses to this survey.

Go to Part D: Demographics

Part D: Demographic Profile

In this final section, we need to know information about you and your household to make sure we have a representative sample of Puerto Rico visitors.

Again, your privacy will be protected and any information identifying you or your household will not be revealed to anyone.

Hand respondent Green Card

D1. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.

- | | | |
|---------------------------|---------------------|-------------------|
| A Recreation or vacation | C Business trip | E Other (specify) |
| B Visit family or friends | D Business/pleasure | |

Finally, for statistical purposes, we need to know a few things about yourself.

D2. In what year were you born? (Code last two digits) ___ ___

D3. Sex male female

D4. Are you Spanish, Hispanic, or Latino? Yes No

D5. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.

A ___ White

B ___ Black or African American

C ___ American Indian or Alaskan Native

D ___ Native Hawaiian or Pacific Islander

D6. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.

^a ^b ^c ^d ^e ^f ^g ^h ⁱ ^j ^k ^l ^m ⁿ ^o refused

Thank You that is the end of our Survey.

If you would like to be included in the sweepstakes/lottery, if you could provide us contact information to award the prizes.

Telephone _____ **e-mail** _____

Mailing address: _____

On-site Survey – Version 7a

On-site Survey Number: _____

Screening Criteria: 1) Visiting PR and did reef activities
(See Tally Sheet) 2) Meets Exit condition

Site: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)

(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

Country: _____

- | | | |
|---------------------------------------------|-----------------------------------------|------------------------------------|
| <input type="radio"/> U.S.A | <input type="radio"/> Australia/Oceania | <input type="radio"/> Other Europe |
| <input type="radio"/> Canada | <input type="radio"/> Japan | <input type="radio"/> Middle East |
| <input type="radio"/> Mexico | <input type="radio"/> Other Far East | <input type="radio"/> Africa |
| <input type="radio"/> Central Am./South Am. | <input type="radio"/> United Kingdom | <input type="radio"/> Other |

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in

Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is not equal to Q.5.

Part B: Coral reef use in the Puerto Rico during this trip.

Hand respondent Blue Card with Activities List for reef use and maps of the Puerto Rico Regions

- B1. Which activities did you or someone in your household do on natural/coral reefs during this trip in northwest Puerto Rico (Region 1), southwest Puerto Rico (Region 2), southeast Puerto Rico (Region 3), northeast Puerto Rico (Region 4) and the islands of Culebra and Vieques (Region 5)?**

If respondent did not do anything in a region, check the box indicating no reef use in the region

- B2. Did you, yourself, do (*read activity*) during this trip in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your party did each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during the past 12 months?**
- B4. On how many different days did you, yourself, participate in each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Note: Count any part of a day as a whole day for each activity.

- B5. How many different dives did you, yourself, make for each type of diving activity you did on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Diving activities include all snorkeling and scuba diving activities on the Blue Card-Activities List (Reef)

A dive is defined as an entry and exit from the water to snorkel or scuba dive

Please refer to Questions B1 – B5 when filling in the tables on the following two pages

There is one table for each of the five regions of the Puerto Rico (Region 1, Region 2, Region 3, Region 4, Region 5)

No Reef Use

Region 1

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 2

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 3

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 4

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

No Reef Use

Region 5

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # of days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

Part C. Economic Valuation of Puerto Rico's Coral Reef Ecosystems

In this section of the survey, I will first present to you some definitions and scientific facts about Puerto Rico's coral reef ecosystems. I will then present you with different reef conditions and the cost to your household to achieve those conditions. I will then ask you to choose among a set of different conditions and the cost to your household.

First, here are some definitions of what we mean by coral reefs and coral reef ecosystems.

Hand respondent the Reef Definitions and Conditions Information Card.

Please read the Reef Definitions and Conditions Card.

C1. Do you have any questions about these definitions or reef conditions?

After answering questions, show respondent cards with examples of the kinds of stony corals, soft corals, sponges, fish and macroinvertebrates that have been observed on Puerto Rico's coral reef ecosystems.

After respondent finishes viewing the cards, present the Management Solutions card.

Please read the information on the card and tell me when you are done.

C2. Do you have any questions before we proceed?

After answering respondents questions, proceed.

C3. Did you believe the information by coral scientists that in 10 to 20 years if current management practices continue that nearly all the coral reefs in Puerto Rico would be in a poor or low condition?

- a. Yes
- b. No (Go to C4)

C4. If we don't change current management practices (Status Quo), do you think that the coral reefs conditions in 10 to 20 years in Puerto Rico will

- a. Stay the same
- b. Improve
- c. Worsen

I now will present to you a set of reef conditions at different prices and will ask you for your most preferred option.

The Status Quo means no change in the management of the coral reef ecosystems and choosing this option will cost your household nothing (\$0), but will result in the poorest or lowest conditions of coral reef ecosystems on all Puerto Rico's coral reefs, except a few places that are already specially protected.

In each set of options, you will always have the option of choosing the Status Quo as your most preferred option.

Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.

Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

Hand the respondent the card with Choice Set Number 1.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, four reef conditions are at a low level, two at the medium level and five at the high level of condition and will cost your household \$250 per trip. For Option C, four reef conditions are at the low level, three at the medium level and four are at the high condition and this will cost your household \$125 per trip.

C5. Which option do you prefer? _____

C6. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C7. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

Hand respondent the Economic Valuations Card

C8. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.

_____ (letter)

Hand respondent the card with Choice Set Number 2.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, three reef conditions are at a low level, two at the medium level and six are at the high level and will cost your household \$500 per trip. For Option C, four reef conditions are at the low level, five at the medium level and two at the high condition and this will cost your household \$250 per trip.

C9. Which option do you prefer? _____

C10. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C11. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

C12. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
_____(letter)

C13. Did you understand that the dollar amount for each alternative was the per trip cost to your household?
a. Yes
b. No

C14. There are different ways for people to pay for new programs to protect the environment. One way is for the government to pay the cost. This will raise everyone's taxes. The other way is for businesses to pay the cost. This will make prices go up for everyone. Another way is for the government to create incentives for investment in environmental protection. Still another way is for businesses to pay the cost. This will make prices go up for everyone.

If you had to choose, would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
____ (letter)

C15. Who do you think should manage the additional funding obtained for reef management?

____ The Federal government ____ the Territorial government ____ Non Government Organization like The Nature Conservancy or Protectores de Cuencas, a local organization ____ Other (Specify _____)

C16. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select on answer only. ____ (letter)

C17. We would like to learn more about how you reacted to the questions that asked you to choose between various options of reef conditions. Please refer to Section 4 of the Economics Valuation Card. As I read each statement tell me the letter corresponding to your answer.

Check the box corresponding to the respondent's answer for each statement.

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively Manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

regulations that result in higher prices or taxes to businesses and households.					
---------------------------------------------------------------------------------	--	--	--	--	--

C18. What condition are the reefs in that you personally visit or use?

- a. Low
- b. Medium
- c. High

C19. How certain are you that additional funding would achieve the goals of protecting the environment? Please refer to Section 5 of the Economic Valuation Card and tell me the letter corresponding to your answer. Select one answer only. ___ (letter)

C20. Please provide us any other comments you would like to make to help us understand your views about coral reefs in Puerto Rico and your responses to this survey.

Go to Part D: Demographics

Part D: Demographic Profile

In this final section, we need to know information about you and your household to make sure we have a representative sample of Puerto Rico visitors.

Again, your privacy will be protected and any information identifying you or your household will not be revealed to anyone.

Hand respondent Green Card

D1. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.

- | | | |
|---------------------------|---------------------|-------------------|
| A Recreation or vacation | C Business trip | E Other (specify) |
| B Visit family or friends | D Business/pleasure | |

Finally, for statistical purposes, we need to know a few things about yourself.

D2. In what year were you born? (Code last two digits) ___ ___

D3. Sex male female

D4. Are you Spanish, Hispanic, or Latino? Yes No

D5. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.

A ___ White

B ___ Black or African American

C ___ American Indian or Alaskan Native

D ___ Native Hawaiian or Pacific Islander

D6. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.

^a ^b ^c ^d ^e ^f ^g ^h ⁱ ^j ^k ^l ^m ⁿ ^o refused

Thank You that is the end of our Survey.

If you would like to be included in the sweepstakes/lottery, if you could provide us contact information to award the prizes.

Telephone _____ **e-mail** _____

Mailing address: _____

On-site Survey – Version 7b

On-site Survey Number: _____

Screening Criteria: 1) Visiting PR and did reef activities
(See Tally Sheet) 2) Meets Exit condition

Site: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)

(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

Country: _____

- | | | |
|---------------------------------------------|-----------------------------------------|------------------------------------|
| <input type="radio"/> U.S.A | <input type="radio"/> Australia/Oceania | <input type="radio"/> Other Europe |
| <input type="radio"/> Canada | <input type="radio"/> Japan | <input type="radio"/> Middle East |
| <input type="radio"/> Mexico | <input type="radio"/> Other Far East | <input type="radio"/> Africa |
| <input type="radio"/> Central Am./South Am. | <input type="radio"/> United Kingdom | <input type="radio"/> Other |

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in

Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is equal to Q.5.

Part B: Coral reef use in the Puerto Rico during this trip.

Hand respondent Blue Card with Activities List for reef use and maps of the Puerto Rico Regions

- B1. Which activities did you or someone in your household do on natural/coral reefs during this trip in northwest Puerto Rico (Region 1), southwest Puerto Rico (Region 2), southeast Puerto Rico (Region 3), northeast Puerto Rico (Region 4) and the islands of Culebra and Vieques (Region 5)?**

If respondent did not do anything in a region, check the box indicating no reef use in the region

- B2. Did you, yourself, do (*read activity*) during this trip in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your party did each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during the past 12 months?**
- B4. On how many different days did you, yourself, participate in each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Note: Count any part of a day as a whole day for each activity.

- B5. How many different dives did you, yourself, make for each type of diving activity you did on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Diving activities include all snorkeling and scuba diving activities on the Blue Card-Activities List (Reef)

A dive is defined as an entry and exit from the water to snorkel or scuba dive

Please refer to Questions B1 – B5 when filling in the tables on the following two pages

There is one table for each of the five regions of the Puerto Rico (Region 1, Region 2, Region 3, Region 4, Region 5)

No Reef Use

Region 1

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 2

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 3

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 4

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

No Reef Use

Region 5

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # of days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

Part C. Economic Valuation of Puerto Rico's Coral Reef Ecosystems

In this section of the survey, I will first present to you some definitions and scientific facts about Puerto Rico's coral reef ecosystems. I will then present you with different reef conditions and the cost to your household to achieve those conditions. I will then ask you to choose among a set of different conditions and the cost to your household.

First, here are some definitions of what we mean by coral reefs and coral reef ecosystems.

Hand respondent the Reef Definitions and Conditions Information Card.

Please read the Reef Definitions and Conditions Card.

C1. Do you have any questions about these definitions or reef conditions?

After answering questions, show respondent cards with examples of the kinds of stony corals, soft corals, sponges, fish and macroinvertebrates that have been observed on Puerto Rico's coral reef ecosystems.

After respondent finishes viewing the cards, present the Management Solutions card.

Please read the information on the card and tell me when you are done.

C2. Do you have any questions before we proceed?

After answering respondents questions, proceed.

C3. Did you believe the information by coral scientists that in 10 to 20 years if current management practices continue that nearly all the coral reefs in Puerto Rico would be in a poor or low condition?

- a. Yes
- b. No (Go to C4)

C4. If we don't change current management practices (Status Quo), do you think that the coral reefs conditions in 10 to 20 years in Puerto Rico will

- a. Stay the same
- b. Improve
- c. Worsen

I now will present to you a set of reef conditions at different prices and will ask you for your most preferred option.

The Status Quo means no change in the management of the coral reef ecosystems and choosing this option will cost your household nothing (\$0), but will result in the poorest or lowest conditions of coral reef ecosystems on all Puerto Rico's coral reefs, except a few places that are already specially protected.

In each set of options, you will always have the option of choosing the Status Quo as your most preferred option.

Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.

Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

Hand the respondent the card with Choice Set Number 1.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, four reef conditions are at a low level, two at the medium level and five at the high level of condition and will cost your household \$125 per trip. For Option C, four reef conditions are at the low level, three at the medium level and four are at the high condition and this will cost your household \$60 per trip.

C5. Which option do you prefer? _____

C6. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C7. Please provide a brief comment that helps us understand why you chose the option as your most preferred option?

Hand respondent the Economic Valuations Card

C8. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.

_____ (letter)

Hand respondent the card with Choice Set Number 2.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, three reef conditions are at a low level, four at the medium level and four are at the high level and will cost your household \$500 per trip. For Option C, three reef conditions are at the low level, two at the medium level and six at the high condition and this will cost your household \$1,000 per trip.

C9. Which option do you prefer? _____

C10. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C11. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

C12. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
_____(letter)

C13. Did you understand that the dollar amount for each alternative was the per trip cost to your household?
a. Yes
b. No

C14. There are different ways for people to pay for new programs to protect the environment. One way is for the government to pay the cost. This will raise everyone's taxes. The other way is for businesses to pay the cost. This will make prices go up for everyone. Another way is for the government to create incentives for investment in environmental protection. Still another way is for businesses to pay the cost. This will make prices go up for everyone.

If you had to choose, would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
____ (letter)

C15. Who do you think should manage the additional funding obtained for reef management?

____ The Federal government ____ the Territorial government ____ Non Government Organization like The Nature Conservancy or Protectores de Cuencas, a local organization ____ Other (Specify _____)

C16. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select on answer only. ____ (letter)

C17. We would like to learn more about how you reacted to the questions that asked you to choose between various options of reef conditions. Please refer to Section 4 of the Economics Valuation Card. As I read each statement tell me the letter corresponding to your answer.

Check the box corresponding to the respondent's answer for each statement.

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively Manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

regulations that result in higher prices or taxes to businesses and households.					
---------------------------------------------------------------------------------	--	--	--	--	--

C18. What condition are the reefs in that you personally visit or use?

- a. Low
- b. Medium
- c. High

C19. How certain are you that additional funding would achieve the goals of protecting the environment? Please refer to Section 5 of the Economic Valuation Card and tell me the letter corresponding to your answer. Select one answer only. ___ (letter)

C20. Please provide us any other comments you would like to make to help us understand your views about coral reefs in Puerto Rico and your responses to this survey.

Go to Part D: Demographics

Part D: Demographic Profile

In this final section, we need to know information about you and your household to make sure we have a representative sample of Puerto Rico visitors.

Again, your privacy will be protected and any information identifying you or your household will not be revealed to anyone.

Hand respondent Green Card

D1. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.

- | | | |
|---------------------------|---------------------|-------------------|
| A Recreation or vacation | C Business trip | E Other (specify) |
| B Visit family or friends | D Business/pleasure | |

Finally, for statistical purposes, we need to know a few things about yourself.

D2. In what year were you born? (Code last two digits) ___ ___

D3. Sex male female

D4. Are you Spanish, Hispanic, or Latino? Yes No

D5. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.

A ___ White

B ___ Black or African American

C ___ American Indian or Alaskan Native

D ___ Native Hawaiian or Pacific Islander

D6. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.

^a ^b ^c ^d ^e ^f ^g ^h ⁱ ^j ^k ^l ^m ⁿ ^o refused

Thank You that is the end of our Survey.

If you would like to be included in the sweepstakes/lottery, if you could provide us contact information to award the prizes.

Telephone _____ **e-mail** _____

Mailing address: _____

On-site Survey – Version 8a

On-site Survey Number: _____

Screening Criteria: 1) Visiting PR and did reef activities
(See Tally Sheet) 2) Meets Exit condition

Site: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)

(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

Country: _____

- | | | |
|---------------------------------------------|-----------------------------------------|------------------------------------|
| <input type="radio"/> U.S.A | <input type="radio"/> Australia/Oceania | <input type="radio"/> Other Europe |
| <input type="radio"/> Canada | <input type="radio"/> Japan | <input type="radio"/> Middle East |
| <input type="radio"/> Mexico | <input type="radio"/> Other Far East | <input type="radio"/> Africa |
| <input type="radio"/> Central Am./South Am. | <input type="radio"/> United Kingdom | <input type="radio"/> Other |

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in

Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is equal to Q.5.

Part B: Coral reef use in the Puerto Rico during this trip.

Hand respondent Blue Card with Activities List for reef use and maps of the Puerto Rico Regions

- B1. Which activities did you or someone in your household do on natural/coral reefs during this trip in northwest Puerto Rico (Region 1), southwest Puerto Rico (Region 2), southeast Puerto Rico (Region 3), northeast Puerto Rico (Region 4) and the islands of Culebra and Vieques (Region 5)?**

If respondent did not do anything in a region, check the box indicating no reef use in the region

- B2. Did you, yourself, do (*read activity*) during this trip in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your party did each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during the past 12 months?**
- B4. On how many different days did you, yourself, participate in each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Note: Count any part of a day as a whole day for each activity.

- B5. How many different dives did you, yourself, make for each type of diving activity you did on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Diving activities include all snorkeling and scuba diving activities on the Blue Card-Activities List (Reef)

A dive is defined as an entry and exit from the water to snorkel or scuba dive

Please refer to Questions B1 – B5 when filling in the tables on the following two pages

There is one table for each of the five regions of the Puerto Rico (Region 1, Region 2, Region 3, Region 4, Region 5)

No Reef Use

Region 1

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 2

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 3

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 4

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

No Reef Use

Region 5

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # of days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

Part C. Economic Valuation of Puerto Rico's Coral Reef Ecosystems

In this section of the survey, I will first present to you some definitions and scientific facts about Puerto Rico's coral reef ecosystems. I will then present you with different reef conditions and the cost to your household to achieve those conditions. I will then ask you to choose among a set of different conditions and the cost to your household.

First, here are some definitions of what we mean by coral reefs and coral reef ecosystems.

Hand respondent the Reef Definitions and Conditions Information Card.

Please read the Reef Definitions and Conditions Card.

C1. Do you have any questions about these definitions or reef conditions?

After answering questions, show respondent cards with examples of the kinds of stony corals, soft corals, sponges, fish and macroinvertebrates that have been observed on Puerto Rico's coral reef ecosystems.

After respondent finishes viewing the cards, present the Management Solutions card.

Please read the information on the card and tell me when you are done.

C2. Do you have any questions before we proceed?

After answering respondents questions, proceed.

C3. Did you believe the information by coral scientists that in 10 to 20 years if current management practices continue that nearly all the coral reefs in Puerto Rico would be in a poor or low condition?

- a. Yes
- b. No (Go to C4)

C4. If we don't change current management practices (Status Quo), do you think that the coral reefs conditions in 10 to 20 years in Puerto Rico will

- a. Stay the same
- b. Improve
- c. Worsen

I now will present to you a set of reef conditions at different prices and will ask you for your most preferred option.

The Status Quo means no change in the management of the coral reef ecosystems and choosing this option will cost your household nothing (\$0), but will result in the poorest or lowest conditions of coral reef ecosystems on all Puerto Rico's coral reefs, except a few places that are already specially protected.

In each set of options, you will always have the option of choosing the Status Quo as your most preferred option.

Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.

Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

Hand the respondent the card with Choice Set Number 1.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, five reef conditions are at a low level, zero at the medium level and six at the high level of condition and will cost your household \$500 per trip. For Option C, two reef conditions are at the low level, five at the medium level and four are at the high condition and this will cost your household \$1,000 per trip.

C5. Which option do you prefer? _____

C6. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C7. Please provide a brief comment that helps us understand why you chose the option as your most preferred option?

Hand respondent the Economic Valuations Card

C8. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.

_____ (letter)

Hand respondent the card with Choice Set Number 2.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, four reef conditions are at a low level, five at the medium level and two are at the high level and will cost your household \$250 per trip. For Option C, three reef conditions are at the low level, one at the medium level and seven at the high condition and this will cost your household \$500 per trip.

C9. Which option do you prefer? _____

**C10. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)**

C11. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

**C12. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
_____(letter)**

C13. Did you understand that the dollar amount for each alternative was the per trip cost to your household?
a. Yes
b. No

C14. There are different ways for people to pay for new programs to protect the environment. One way is for the government to pay the cost. This will raise everyone's taxes. The other way is for businesses to pay the cost. This will make prices go up for everyone. Another way is for the government to create incentives for investment in environmental protection. Still another way is for businesses to pay the cost. This will make prices go up for everyone.

**If you had to choose, would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
____ (letter)**

C15. Who do you think should manage the additional funding obtained for reef management?

____ The Federal government ____ the Territorial government ____ Non Government Organization like The Nature Conservancy or Protectores de Cuencas, a local organization ____ Other (Specify _____)

C16. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select on answer only. ____ (letter)

C17. We would like to learn more about how you reacted to the questions that asked you to choose between various options of reef conditions. Please refer to Section 4 of the Economics Valuation Card. As I read each statement tell me the letter corresponding to your answer.

Check the box corresponding to the respondent's answer for each statement.

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively Manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

regulations that result in higher prices or taxes to businesses and households.					
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C18. What condition are the reefs in that you personally visit or use?

- a. Low
- b. Medium
- c. High

C19. How certain are you that additional funding would achieve the goals of protecting the environment? Please refer to Section 5 of the Economic Valuation Card and tell me the letter corresponding to your answer. Select one answer only. ___ (letter)

C20. Please provide us any other comments you would like to make to help us understand your views about coral reefs in Puerto Rico and your responses to this survey.

Go to Part D: Demographics

Part D: Demographic Profile

In this final section, we need to know information about you and your household to make sure we have a representative sample of Puerto Rico visitors.

Again, your privacy will be protected and any information identifying you or your household will not be revealed to anyone.

Hand respondent Green Card

D1. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.

- | | | |
|---------------------------|---------------------|-------------------|
| A Recreation or vacation | C Business trip | E Other (specify) |
| B Visit family or friends | D Business/pleasure | |

Finally, for statistical purposes, we need to know a few things about yourself.

D2. In what year were you born? (Code last two digits) ___ ___

D3. Sex male female

D4. Are you Spanish, Hispanic, or Latino? Yes No

D5. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.

A ___ White

B ___ Black or African American

C ___ American Indian or Alaskan Native

D ___ Native Hawaiian or Pacific Islander

D6. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.

^a ^b ^c ^d ^e ^f ^g ^h ⁱ ^j ^k ^l ^m ⁿ ^o refused

Thank You that is the end of our Survey.

If you would like to be included in the sweepstakes/lottery, if you could provide us contact information to award the prizes.

Telephone _____ **e-mail** _____

Mailing address: _____

On-site Survey – Version 8b

On-site Survey Number: _____

Screening Criteria: 1) Visiting PR and did reef activities
(See Tally Sheet) 2) Meets Exit condition

Site: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)

(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

Country: _____

- | | | |
|---------------------------------------------|-----------------------------------------|------------------------------------|
| <input type="radio"/> U.S.A | <input type="radio"/> Australia/Oceania | <input type="radio"/> Other Europe |
| <input type="radio"/> Canada | <input type="radio"/> Japan | <input type="radio"/> Middle East |
| <input type="radio"/> Mexico | <input type="radio"/> Other Far East | <input type="radio"/> Africa |
| <input type="radio"/> Central Am./South Am. | <input type="radio"/> United Kingdom | <input type="radio"/> Other |

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in

Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is not equal to Q.5.

Part B: Coral reef use in the Puerto Rico during this trip.

Hand respondent Blue Card with Activities List for reef use and maps of the Puerto Rico Regions

- B1. Which activities did you or someone in your household do on natural/coral reefs during this trip in northwest Puerto Rico (Region 1), southwest Puerto Rico (Region 2), southeast Puerto Rico (Region 3), northeast Puerto Rico (Region 4) and the islands of Culebra and Vieques (Region 5)?**

If respondent did not do anything in a region, check the box indicating no reef use in the region

- B2. Did you, yourself, do (*read activity*) during this trip in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your party did each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during the past 12 months?**
- B4. On how many different days did you, yourself, participate in each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Note: Count any part of a day as a whole day for each activity.

- B5. How many different dives did you, yourself, make for each type of diving activity you did on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Diving activities include all snorkeling and scuba diving activities on the Blue Card-Activities List (Reef)

A dive is defined as an entry and exit from the water to snorkel or scuba dive

Please refer to Questions B1 – B5 when filling in the tables on the following two pages

There is one table for each of the five regions of the Puerto Rico (Region 1, Region 2, Region 3, Region 4, Region 5)

No Reef Use

Region 1

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 2

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 3

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 4

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

No Reef Use

Region 5

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # of days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

Part C. Economic Valuation of Puerto Rico's Coral Reef Ecosystems

In this section of the survey, I will first present to you some definitions and scientific facts about Puerto Rico's coral reef ecosystems. I will then present you with different reef conditions and the cost to your household to achieve those conditions. I will then ask you to choose among a set of different conditions and the cost to your household.

First, here are some definitions of what we mean by coral reefs and coral reef ecosystems.

Hand respondent the Reef Definitions and Conditions Information Card.

Please read the Reef Definitions and Conditions Card.

C1. Do you have any questions about these definitions or reef conditions?

After answering questions, show respondent cards with examples of the kinds of stony corals, soft corals, sponges, fish and macroinvertebrates that have been observed on Puerto Rico's coral reef ecosystems.

After respondent finishes viewing the cards, present the Management Solutions card.

Please read the information on the card and tell me when you are done.

C2. Do you have any questions before we proceed?

After answering respondents questions, proceed.

C3. Did you believe the information by coral scientists that in 10 to 20 years if current management practices continue that nearly all the coral reefs in Puerto Rico would be in a poor or low condition?

- a. Yes
- b. No (Go to C4)

C4. If we don't change current management practices (Status Quo), do you think that the coral reefs conditions in 10 to 20 years in Puerto Rico will

- a. Stay the same
- b. Improve
- c. Worsen

I now will present to you a set of reef conditions at different prices and will ask you for your most preferred option.

The Status Quo means no change in the management of the coral reef ecosystems and choosing this option will cost your household nothing (\$0), but will result in the poorest or lowest conditions of coral reef ecosystems on all Puerto Rico's coral reefs, except a few places that are already specially protected.

In each set of options, you will always have the option of choosing the Status Quo as your most preferred option.

Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.

Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

Hand the respondent the card with Choice Set Number 1.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, four reef conditions are at a low level, zero at the medium level and seven at the high level of condition and will cost your household \$250 per trip. For Option C, five reef conditions are at the low level, four at the medium level and two are at the high condition and this will cost your household \$125 per trip.

C5. Which option do you prefer? _____

C6. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer? _____ (number of days per year)

C7. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

Hand respondent the Economic Valuations Card

C8. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.

_____ (letter)

Hand respondent the card with Choice Set Number 2.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, four reef conditions are at a low level, four at the medium level and three are at the high level and will cost your household \$60 per trip. For Option C, four reef conditions are at the low level, two at the medium level and five at the high condition and this will cost your household \$125 per trip.

C9. Which option do you prefer? _____

C10. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C11. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

C12. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
_____(letter)

C13. Did you understand that the dollar amount for each alternative was the per trip cost to your household?
a. Yes
b. No

C14. There are different ways for people to pay for new programs to protect the environment. One way is for the government to pay the cost. This will raise everyone's taxes. The other way is for businesses to pay the cost. This will make prices go up for everyone. Another way is for the government to create incentives for investment in environmental protection. Still another way is for businesses to pay the cost. This will make prices go up for everyone.

If you had to choose, would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
____ (letter)

C15. Who do you think should manage the additional funding obtained for reef management?

____ The Federal government ____ the Territorial government ____ Non Government Organization like The Nature Conservancy or Protectores de Cuencas, a local organization ____ Other (Specify _____)

C16. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select on answer only. ____ (letter)

C17. We would like to learn more about how you reacted to the questions that asked you to choose between various options of reef conditions. Please refer to Section 4 of the Economics Valuation Card. As I read each statement tell me the letter corresponding to your answer.

Check the box corresponding to the respondent's answer for each statement.

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively Manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

regulations that result in higher prices or taxes to businesses and households.					
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C18. What condition are the reefs in that you personally visit or use?

- a. Low
- b. Medium
- c. High

C19. How certain are you that additional funding would achieve the goals of protecting the environment? Please refer to Section 5 of the Economic Valuation Card and tell me the letter corresponding to your answer. Select one answer only. ___ (letter)

C20. Please provide us any other comments you would like to make to help us understand your views about coral reefs in Puerto Rico and your responses to this survey.

Go to Part D: Demographics

Part D: Demographic Profile

In this final section, we need to know information about you and your household to make sure we have a representative sample of Puerto Rico visitors.

Again, your privacy will be protected and any information identifying you or your household will not be revealed to anyone.

Hand respondent Green Card

D1. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.

- | | | |
|---------------------------|---------------------|-------------------|
| A Recreation or vacation | C Business trip | E Other (specify) |
| B Visit family or friends | D Business/pleasure | |

Finally, for statistical purposes, we need to know a few things about yourself.

D2. In what year were you born? (Code last two digits) ___ ___

D3. Sex male female

D4. Are you Spanish, Hispanic, or Latino? Yes No

D5. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.

A ___ White

B ___ Black or African American

C ___ American Indian or Alaskan Native

D ___ Native Hawaiian or Pacific Islander

D6. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.

^a ^b ^c ^d ^e ^f ^g ^h ⁱ ^j ^k ^l ^m ⁿ ^o refused

Thank You that is the end of our Survey.

If you would like to be included in the sweepstakes/lottery, if you could provide us contact information to award the prizes.

Telephone _____ **e-mail** _____

Mailing address: _____

On-site Survey – Version 9a

On-site Survey Number: _____

Screening Criteria: 1) Visiting PR and did reef activities
(See Tally Sheet) 2) Meets Exit condition

Site: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)

(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

Country: _____

- | | | |
|---------------------------------------------|-----------------------------------------|------------------------------------|
| <input type="radio"/> U.S.A | <input type="radio"/> Australia/Oceania | <input type="radio"/> Other Europe |
| <input type="radio"/> Canada | <input type="radio"/> Japan | <input type="radio"/> Middle East |
| <input type="radio"/> Mexico | <input type="radio"/> Other Far East | <input type="radio"/> Africa |
| <input type="radio"/> Central Am./South Am. | <input type="radio"/> United Kingdom | <input type="radio"/> Other |

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in

Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is equal to Q.5.

Part B: Coral reef use in the Puerto Rico during this trip.

Hand respondent Blue Card with Activities List for reef use and maps of the Puerto Rico Regions

- B1. Which activities did you or someone in your household do on natural/coral reefs during this trip in northwest Puerto Rico (Region 1), southwest Puerto Rico (Region 2), southeast Puerto Rico (Region 3), northeast Puerto Rico (Region 4) and the islands of Culebra and Vieques (Region 5)?**

If respondent did not do anything in a region, check the box indicating no reef use in the region

- B2. Did you, yourself, do (*read activity*) during this trip in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your party did each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during the past 12 months?**
- B4. On how many different days did you, yourself, participate in each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Note: Count any part of a day as a whole day for each activity.

- B5. How many different dives did you, yourself, make for each type of diving activity you did on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Diving activities include all snorkeling and scuba diving activities on the Blue Card-Activities List (Reef)

A dive is defined as an entry and exit from the water to snorkel or scuba dive

Please refer to Questions B1 – B5 when filling in the tables on the following two pages

There is one table for each of the five regions of the Puerto Rico (Region 1, Region 2, Region 3, Region 4, Region 5)

No Reef Use

Region 1

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 2

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 3

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 4

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

No Reef Use

Region 5

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # of days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

Part C. Economic Valuation of Puerto Rico's Coral Reef Ecosystems

In this section of the survey, I will first present to you some definitions and scientific facts about Puerto Rico's coral reef ecosystems. I will then present you with different reef conditions and the cost to your household to achieve those conditions. I will then ask you to choose among a set of different conditions and the cost to your household.

First, here are some definitions of what we mean by coral reefs and coral reef ecosystems.

Hand respondent the Reef Definitions and Conditions Information Card.

Please read the Reef Definitions and Conditions Card.

C1. Do you have any questions about these definitions or reef conditions?

After answering questions, show respondent cards with examples of the kinds of stony corals, soft corals, sponges, fish and macroinvertebrates that have been observed on Puerto Rico's coral reef ecosystems.

After respondent finishes viewing the cards, present the Management Solutions card.

Please read the information on the card and tell me when you are done.

C2. Do you have any questions before we proceed?

After answering respondents questions, proceed.

C3. Did you believe the information by coral scientists that in 10 to 20 years if current management practices continue that nearly all the coral reefs in Puerto Rico would be in a poor or low condition?

- a. Yes
- b. No (Go to C4)

C4. If we don't change current management practices (Status Quo), do you think that the coral reefs conditions in 10 to 20 years in Puerto Rico will

- a. Stay the same
- b. Improve
- c. Worsen

I now will present to you a set of reef conditions at different prices and will ask you for your most preferred option.

The Status Quo means no change in the management of the coral reef ecosystems and choosing this option will cost your household nothing (\$0), but will result in the poorest or lowest conditions of coral reef ecosystems on all Puerto Rico's coral reefs, except a few places that are already specially protected.

In each set of options, you will always have the option of choosing the Status Quo as your most preferred option.

Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.

Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

Hand the respondent the card with Choice Set Number 1.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, five reef conditions are at a low level, one at the medium level and five at the high level of condition and will cost your household \$250 per trip. For Option C, four reef conditions are at the low level, four at the medium level and three are at the high condition and this will cost your household \$60 per trip.

C5. Which option do you prefer? _____

C6. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C7. Please provide a brief comment that helps us understand why you chose the option as your most preferred option?

Hand respondent the Economic Valuations Card

C8. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.

_____ (letter)

Hand respondent the card with Choice Set Number 2.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, four reef conditions are at a low level, three at the medium level and four are at the high level and will cost your household \$1,000 per trip. For Option C, four reef conditions are at the low level, four at the medium level and three at the high condition and this will cost your household \$500 per trip.

C9. Which option do you prefer? _____

C10. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C11. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

C12. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
_____(letter)

C13. Did you understand that the dollar amount for each alternative was the per trip cost to your household?
a. Yes
b. No

C14. There are different ways for people to pay for new programs to protect the environment. One way is for the government to pay the cost. This will raise everyone's taxes. The other way is for businesses to pay the cost. This will make prices go up for everyone. Another way is for the government to create incentives for investment in environmental protection. Still another way is for businesses to pay the cost. This will make prices go up for everyone.

If you had to choose, would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
____ (letter)

C15. Who do you think should manage the additional funding obtained for reef management?

____ The Federal government ____ the Territorial government ____ Non Government Organization like The Nature Conservancy or Protectores de Cuencas, a local organization ____ Other (Specify _____)

C16. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select on answer only. ____ (letter)

C17. We would like to learn more about how you reacted to the questions that asked you to choose between various options of reef conditions. Please refer to Section 4 of the Economics Valuation Card. As I read each statement tell me the letter corresponding to your answer.

Check the box corresponding to the respondent's answer for each statement.

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively Manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

regulations that result in higher prices or taxes to businesses and households.					
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C18. What condition are the reefs in that you personally visit or use?

- a. Low
- b. Medium
- c. High

C19. How certain are you that additional funding would achieve the goals of protecting the environment? Please refer to Section 5 of the Economic Valuation Card and tell me the letter corresponding to your answer. Select one answer only. ___ (letter)

C20. Please provide us any other comments you would like to make to help us understand your views about coral reefs in Puerto Rico and your responses to this survey.

Go to Part D: Demographics

Part D: Demographic Profile

In this final section, we need to know information about you and your household to make sure we have a representative sample of Puerto Rico visitors.

Again, your privacy will be protected and any information identifying you or your household will not be revealed to anyone.

Hand respondent Green Card

D1. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.

- | | | |
|---------------------------|---------------------|-------------------|
| A Recreation or vacation | C Business trip | E Other (specify) |
| B Visit family or friends | D Business/pleasure | |

Finally, for statistical purposes, we need to know a few things about yourself.

D2. In what year were you born? (Code last two digits) ___ ___

D3. Sex male female

D4. Are you Spanish, Hispanic, or Latino? Yes No

D5. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.

A ___ White

B ___ Black or African American

C ___ American Indian or Alaskan Native

D ___ Native Hawaiian or Pacific Islander

D6. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.

^a ^b ^c ^d ^e ^f ^g ^h ⁱ ^j ^k ^l ^m ⁿ ^o refused

Thank You that is the end of our Survey.

If you would like to be included in the sweepstakes/lottery, if you could provide us contact information to award the prizes.

Telephone _____ **e-mail** _____

Mailing address: _____

On-site Survey – Version 9b

On-site Survey Number: _____

Screening Criteria: 1) Visiting PR and did reef activities
(See Tally Sheet) 2) Meets Exit condition

Site: _____
Month Day Time

Number of People in Party: _____ (# of people)

1. (a) How many people in your party are ages 18 or older? _____ (# of People)

(b) How many people in your party are under 18? _____ (# of People)

2. Where is your primary residence?

City or Nearest City County State Zip Code

Country: _____

- | | | |
|---------------------------------------------|-----------------------------------------|------------------------------------|
| <input type="radio"/> U.S.A | <input type="radio"/> Australia/Oceania | <input type="radio"/> Other Europe |
| <input type="radio"/> Canada | <input type="radio"/> Japan | <input type="radio"/> Middle East |
| <input type="radio"/> Mexico | <input type="radio"/> Other Far East | <input type="radio"/> Africa |
| <input type="radio"/> Central Am./South Am. | <input type="radio"/> United Kingdom | <input type="radio"/> Other |

3. On this trip to the Puerto Rico, when did you first arrive? _____
Month Day Time

4. Including this trip, how many times have you visited Puerto Rico for all recreation/tourist reef activities in the last 12 months, that is since (date last year)?

Times

5. Including this trip, how many days have you spent in Puerto Rico where you did some recreation/ tourist reef activities in the last 12 months?

Days

If overnight visitor, hand respondent maps of Puerto Rico. If not overnight visitor, skip to next section.

6. Looking at the map, could you tell me how many nights you spent **on this trip** to Puerto Rico in

Region 1 _____ Region 2 _____ Region 3 _____ Region 4 _____ Region 5 _____
nights # nights # nights # nights # nights

Interviewer: Make sure if answer to Q.4. is greater than one, that answer to Q.6. is equal to Q.5.

Part B: Coral reef use in the Puerto Rico during this trip.

Hand respondent Blue Card with Activities List for reef use and maps of the Puerto Rico Regions

- B1. Which activities did you or someone in your household do on natural/coral reefs during this trip in northwest Puerto Rico (Region 1), southwest Puerto Rico (Region 2), southeast Puerto Rico (Region 3), northeast Puerto Rico (Region 4) and the islands of Culebra and Vieques (Region 5)?**

If respondent did not do anything in a region, check the box indicating no reef use in the region

- B2. Did you, yourself, do (*read activity*) during this trip in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your party did each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during the past 12 months?**
- B4. On how many different days did you, yourself, participate in each activity on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Note: Count any part of a day as a whole day for each activity.

- B5. How many different dives did you, yourself, make for each type of diving activity you did on the reefs in Region 1, Region 2, Region 3, Region 4, Region 5 during this trip?**

Diving activities include all snorkeling and scuba diving activities on the Blue Card-Activities List (Reef)

A dive is defined as an entry and exit from the water to snorkel or scuba dive

Please refer to Questions B1 – B5 when filling in the tables on the following two pages

There is one table for each of the five regions of the Puerto Rico (Region 1, Region 2, Region 3, Region 4, Region 5)

No Reef Use

Region 1

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 2

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 3

B1	B2	B3	B4	B5
Activity	Resp.	# Others	Respondent # of days	Respondent # of dives
	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____
_____	<input type="radio"/>	_____	_____	_____

No Reef Use

Region 4

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

No Reef Use

Region 5

B1 Activity	B2 Resp.	B3 # Others	B4 Respondent # of days	B5 Respondent # of dives
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____
_____	○	_____	_____	_____

Part C. Economic Valuation of Puerto Rico's Coral Reef Ecosystems

In this section of the survey, I will first present to you some definitions and scientific facts about Puerto Rico's coral reef ecosystems. I will then present you with different reef conditions and the cost to your household to achieve those conditions. I will then ask you to choose among a set of different conditions and the cost to your household.

First, here are some definitions of what we mean by coral reefs and coral reef ecosystems.

Hand respondent the Reef Definitions and Conditions Information Card.

Please read the Reef Definitions and Conditions Card.

C1. Do you have any questions about these definitions or reef conditions?

After answering questions, show respondent cards with examples of the kinds of stony corals, soft corals, sponges, fish and macroinvertebrates that have been observed on Puerto Rico's coral reef ecosystems.

After respondent finishes viewing the cards, present the Management Solutions card.

Please read the information on the card and tell me when you are done.

C2. Do you have any questions before we proceed?

After answering respondents questions, proceed.

C3. Did you believe the information by coral scientists that in 10 to 20 years if current management practices continue that nearly all the coral reefs in Puerto Rico would be in a poor or low condition?

- a. Yes
- b. No (Go to C4)

C4. If we don't change current management practices (Status Quo), do you think that the coral reefs conditions in 10 to 20 years in Puerto Rico will

- a. Stay the same
- b. Improve
- c. Worsen

I now will present to you a set of reef conditions at different prices and will ask you for your most preferred option.

The Status Quo means no change in the management of the coral reef ecosystems and choosing this option will cost your household nothing (\$0), but will result in the poorest or lowest conditions of coral reef ecosystems on all Puerto Rico's coral reefs, except a few places that are already specially protected.

In each set of options, you will always have the option of choosing the Status Quo as your most preferred option.

Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.

Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

Hand the respondent the card with Choice Set Number 1.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, four reef conditions are at a low level, three at the medium level and four at the high level of condition and will cost your household \$250 per trip. For Option C, four reef conditions are at the low level, four at the medium level and three are at the high condition and this will cost your household \$125 per trip.

C5. Which option do you prefer? _____

C6. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C7. Please provide a brief comment that helps us understand why you chose the option as your most preferred option?

Hand respondent the Economic Valuations Card

C8. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.

_____ (letter)

Hand respondent the card with Choice Set Number 2.

Please review the three options. Option A is the Status Quo and costs you Nothing, but all reef conditions are in a low condition. For Option B, three reef conditions are at a low level, five at the medium level and three are at the high level and will cost your household \$60 per trip. For Option C, four reef conditions are at the low level, two at the medium level and five at the high condition and this will cost your household \$125 per trip.

C9. Which option do you prefer? _____

C10. How many days would you use Puerto Rico's Coral Reefs under the reef conditions for the option you prefer?
_____ (number of days per year)

C11. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

C12. How sure are you that the option you chose as your most preferred among the three options is your most preferred, not sure at all, slightly sure, moderately sure, very sure, or extremely sure? Please refer to Section 1 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
_____(letter)

C13. Did you understand that the dollar amount for each alternative was the per trip cost to your household?
a. Yes
b. No

C14. There are different ways for people to pay for new programs to protect the environment. One way is for the government to pay the cost. This will raise everyone's taxes. The other way is for businesses to pay the cost. This will make prices go up for everyone. Another way is for the government to create incentives for investment in environmental protection. Still another way is for businesses to pay the cost. This will make prices go up for everyone.

If you had to choose, would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select one answer only.
____ (letter)

C15. Who do you think should manage the additional funding obtained for reef management?

____ The Federal government ____ the Territorial government ____ Non Government Organization like The Nature Conservancy or Protectores de Cuencas, a local organization ____ Other (Specify _____)

C16. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist? Please refer to Section 2 of the Economics Valuation Card and tell me the letter corresponding to your answer. Select on answer only. ____ (letter)

C17. We would like to learn more about how you reacted to the questions that asked you to choose between various options of reef conditions. Please refer to Section 4 of the Economics Valuation Card. As I read each statement tell me the letter corresponding to your answer.

Check the box corresponding to the respondent's answer for each statement.

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively Manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

regulations that result in higher prices or taxes to businesses and households.					
---------------------------------------------------------------------------------	--	--	--	--	--

C18. What condition are the reefs in that you personally visit or use?

- a. Low
- b. Medium
- c. High

C19. How certain are you that additional funding would achieve the goals of protecting the environment? Please refer to Section 5 of the Economic Valuation Card and tell me the letter corresponding to your answer. Select one answer only. ___ (letter)

C20. Please provide us any other comments you would like to make to help us understand your views about coral reefs in Puerto Rico and your responses to this survey.

Go to Part D: Demographics

Part D: Demographic Profile

In this final section, we need to know information about you and your household to make sure we have a representative sample of Puerto Rico visitors.

Again, your privacy will be protected and any information identifying you or your household will not be revealed to anyone.

Hand respondent Green Card

D1. Please refer to Section 2 on your green card and tell me which reason best describes the primary purpose of your trip to the Puerto Rico.

- | | | |
|---------------------------|---------------------|-------------------|
| A Recreation or vacation | C Business trip | E Other (specify) |
| B Visit family or friends | D Business/pleasure | |

Finally, for statistical purposes, we need to know a few things about yourself.

D2. In what year were you born? (Code last two digits) ___ ___

D3. Sex male female

D4. Are you Spanish, Hispanic, or Latino? Yes No

D5. Please refer to Section 3 on your green card and tell me the letters corresponding to all the descriptors that describe your race.

A ___ White

B ___ Black or African American

C ___ American Indian or Alaskan Native

D ___ Native Hawaiian or Pacific Islander

D6. Please refer to Section 4 on your green card and tell me which of the income categories best describes your annual household income last year before taxes. Please give the letter on the card that is the closest.

^a ^b ^c ^d ^e ^f ^g ^h ⁱ ^j ^k ^l ^m ⁿ ^o refused

Thank You that is the end of our Survey.

If you would like to be included in the sweepstakes/lottery, if you could provide us contact information to award the prizes.

Telephone _____ **e-mail** _____

Mailing address: _____

RESPONDENT CARD

ABOUT THE INFORMATION YOU PROVIDE STATEMENT

Your participation in this interview is voluntary. There are no penalties for not answering some or all of the questions, but since each interviewed person will represent many others not interviewed, your cooperation is extremely important. This study is being conducted by the University of Puerto Rico – Mayaguez Puerto Rico Sea Grant, the National Oceanic and Atmospheric Administration and the U.S. Environmental Protection Agency. Uses of the information include the evaluation of present recreation uses and planning for future visitation. At the end of the study any materials identifying you as an individual will be destroyed.

This is a cooperative research project of the Puerto Rico Tourism Company the National Oceanic and Atmospheric Administration and the U.S. Environmental Protection Agency. Public reporting burden for this collection of information is estimated to average 15-20 minutes including time for reviewing instructions, searching existing data sources, gathering and maintaining the data need, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to U.S. Department of Commerce, Clearance Officer, Office of Chief Information Officer, Rm. 6625, 14th and Constitution Avenue NW, Washington, DC 20230. Notwithstanding any other provisions of the law, no person is required to respond to, nor shall any person be subject to penalty for failure to comply with, a collection of information subject to requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number.

SECTION 1: Primary Purpose of Trip to Puerto Rico

- A **Recreation or vacation**
- B **Visit family or friends**
- C **Business trip**
- D **Business and pleasure**
- E **Other (specify)**

SECTION 2: Race (Select All that Apply)

- A **White**
- B **Black or African American**
- C **American Indian or Alaska Native**
- D **Asian**
- E **Native Hawaiian or Other Pacific Islander**

SECTION 3: HOUSEHOLD INCOME CATEGORIES (Annual Income before taxes)

- | | | |
|-------------------------------|---------------------------------|----------------------------|
| A Less than \$5,000 | G \$30,000 to \$39,999 | O \$150,000 or more |
| I \$40,000 to \$44,999 | H \$35,000 to \$39,999 | |
| B \$5,000 to \$9,999 | J \$45,000 to \$49,999 | |
| C \$10,000 to \$14,999 | K \$50,000 to \$59,999 | |
| D \$15,000 to \$19,999 | L \$60,000 to \$74,999 | |
| E \$20,000 to \$24,999 | M \$75,000 to \$99,999 | |
| F \$25,000 to \$29,999 | N \$100,000 to \$149,999 | |

REEF ACTIVITIES LIST

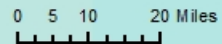
<u>Number</u>	<u>Water-based Activities</u>
	Snorkeling
100A	Snorkeling from charter/party boat (pay operation and includes snorkeling tours)
101A	Snorkeling from a rental boat
102A	Snorkeling from private boat (your boat or friend or relative's boat)
10A	Snorkeling from shore
	Scuba Diving
200A	Scuba diving from charter/party boat (pay operation)
201A	Scuba diving from a rental boat
202A	Scuba diving from a private boat (your boat or friend or relative's boat)
11A	Scuba diving from shore
	Special Activities while Snorkeling or Scuba Diving
300	Diving for lobsters
301	Underwater photography
303	Spear fishing
	Fishing – Inshore or Light Tackle Fishing
404A	Fishing from charter/party boat or guide (pay operation) – inshore or light tackle
405A	Fishing from rental boat – inshore or light tackle
406A	Fishing from a private boat (your boat or friend or relative's boat) – inshore or light tackle
	Other Fishing
407A	Other fishing from charter boat (pay operation, usually six persons or less)
408A	Other fishing from party or head boat (pay operation, charge per person)
409A	Other fishing from a rental boat
410A	Other fishing from a private boat (your boat or friends or relative's boat)
14A	Fishing from shore (beach, bank, pier, bridge, jetty, dock)
	Viewing Nature and Wildlife
500A	Glass bottom boat rides (pay operation)
501A	Inshore boating excursions (pay operation/guided service/NOT FISHING, including kayaking)
502A	Viewing nature and wildlife from private or rental boat
503	Bioluminescent Bays
504	Ocean kayaking
505	Whale watching
	Other Activities on the Reefs
13A	Surfing
15A	Swimming
18A	Paddle boarding, wind surfing or kite boarding





Legend

Region 1

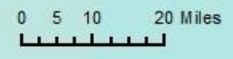


Sources: Esri, DeLorme, USGS, NPS, Sources: Esri, USGS, NOAA



Legend


 Region 2




Sources: Esri, DeLorme, USGS, NPS, Sources: Esri, USGS, NOAA



Legend

 Region 3



0 5 10 20 Miles



Sources: Esri, DeLorme, USGS, NPS, Sources: Esri, USGS, NOAA



Legend

 Region 4




0 5 10 20 Miles


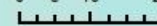
Sources: Esri, DeLorme, USGS, NPS, Sources: Esri, USGS, NOAA



Legend

 Region 5



0 5 10 20 Miles


Sources: Esri, DeLorme, USGS, NPS, Sources: Esri, USGS, NOAA

Stony Corals



Soft Corals and Sponges



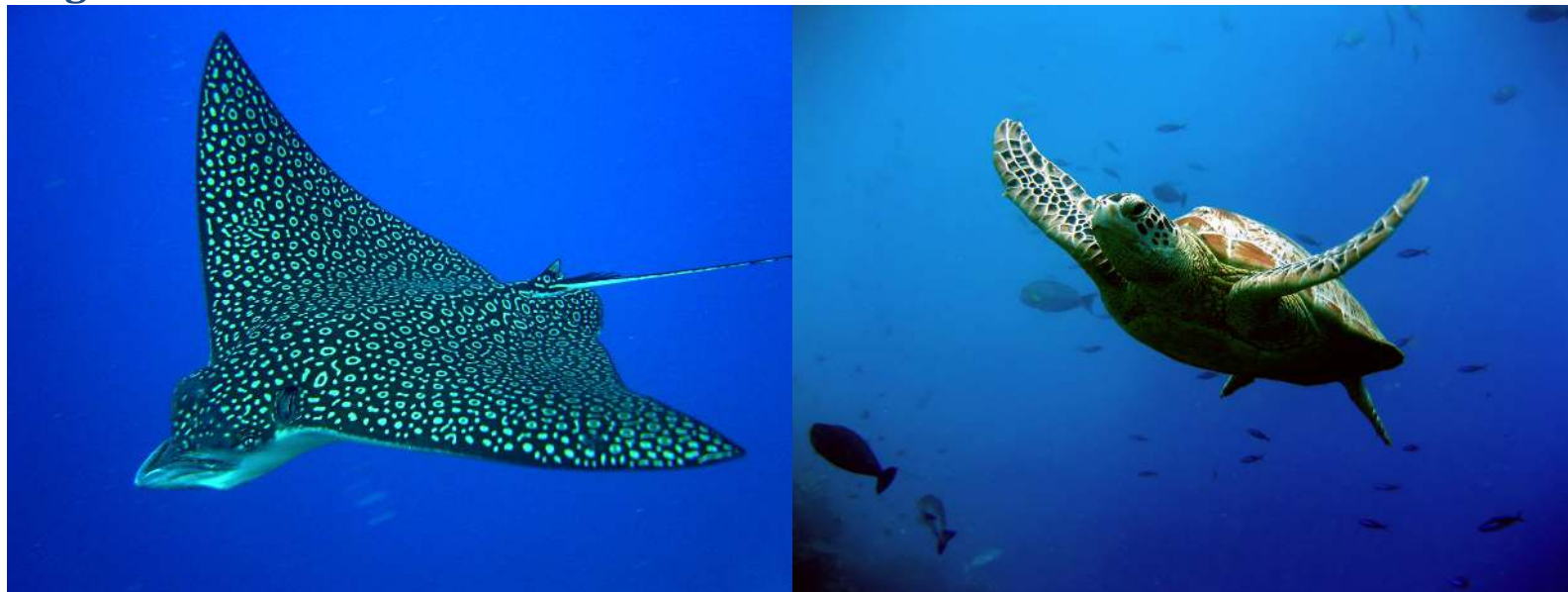
Reef Fish



Invertebrates



Mega Fauna



RESIDENT - CORAL REEF DEFINITIONS and CONDITIONS CARD

Definitions

- **Coral reefs** are colonies of connected skeletons of millions of small animals called corals.
- **Coral reef ecosystems** include the coral reefs, neighboring areas of sea bottom, ocean waters, sponges, algae, seagrasses and mangroves.
- **Coral reef ecosystems** provide a place to live for many ocean species including, fish, sea turtles, conchs, lobsters, crabs, sponges, urchins, sea plants and marine mammals like dolphins and manatees.
- Most coral reef ecosystems in Puerto Rico are in water less than 60 feet deep.

Conditions

- Research by the U.S. Environmental Protection Agency (EPA) and the National Oceanic and Atmospheric Administration (NOAA) has measured the abundance and diversity (number of different species) of stony corals, soft corals, sponges, fish, macroinvertebrates (conch, spiny lobster, and urchins) on Puerto Rico's coral reefs.
- Measures of abundance and diversity were measured on how much was there per square meter of coral reef area.
- For **abundance**, the following measures were taken:
 - **Stony corals**: Percent (%) of hard-bottom covered per square meter and percent of the coral tissue is alive.
 - **Soft corals** and **Sponges**: Square centimeters per square meter of reef area.
 - **Fish**: Number per square meter.

Fish were classified into fish people eat (consumptive) and fish that people just view (Tropical/Ornamental fish). A few fish that normally would be classified as consumptive were not counted as consumptive because of ciguatera poisoning. Fish were also classified as **Sport/Trophy** fish (Ladyfish, Permit, Bonefish, Tarpon,

Barracuda, Jacks). Some of these may be known to have ciguatera poisoning but are still fun to catch.

- **Consumptive fish:** Puerto Rico has only a few species with limits on length to be legal for keeping (Yellowtail Snapper, White Grunt, Silk Snapper, and Black Snapper). Some are permanently closed (Nassau Grouper and Goliath Grouper). Still others have closed seasons (Silk, Vermillion, Black and Blackfin Snappers Oct. – Dec.; Mutton and Lane Snappers April-May; Red Hind Dec. – Feb.). We present the number of consumptive fish that meet legal size for keeping per square meter of reef area. **Tropical/Ornamental fish:** Number of fish per square meter.
- **Sport/Trophy fish:** Opportunity to catch or see trophy fish on the entire reef **not** the number per square meter.
- **Macroinvertebrates (conchs, spiny lobsters, and urchins):** The number per square meter. For **conchs**, the maximum number observed was 3 per square meter, while for **spiny lobster**, the maximum observed was 1 per square meter. Urchins tend to be observed in much higher numbers. For Long-spined urchins, the maximum observed was 8 per square meter, while for smaller species of urchins as many as 37 per square meter have been observed. Seasonal closure of Queen Conch is July – Sept.

CORAL REEF ECOSYSTEM HEALTH

- **Urchins** are known to increase the health of reefs for stony corals.
- **Stony corals** predominate in the healthiest reefs.
- **Soft Corals** and **Sponges** tend to dominate in reef areas where the water quality is relatively poor. Scientists have found that soft corals and sponges are more able than **stony corals** to thrive in relatively poor water quality and move into places where **stony corals** have died.
- **Soft Corals** and **Sponges** are often very colorful, serve as important habitat for fish, and help improve water quality by filtering nutrients thereby reducing algal growth that can smother reefs and improving water clarity/visibility.
- Most of the coral reef ecosystems in Puerto Rico are currently in a poor or fair condition. Overfishing, water pollution, careless anchoring, and sediments from runoff from development and agricultural areas have been the most important factors damaging the coral reef ecosystems.

VISITOR'S - MANAGEMENT SOLUTIONS CARD

- If current management practices continue in the future (Status Quo), in 10 to 20 years scientists expect that all but the few areas that are receiving special protection will be in a poor or low condition with respect to the corals, sponges, fish, and water clarity/visibility. If rules and regulations are not enforced even the specially protected areas will be in poor or low condition.
- If management is changed to improve reef conditions, it will require both public and private investments to protect and restore the coral reef ecosystems, which would include enforcement of rules and regulations.
- In the next section of the survey, you will be presented with several sets of coral reef ecosystem conditions. There is an estimated cost to your household per year that would be required to achieve each condition.
- The cost per trip is based on the costs that will be paid by businesses and households to pay for investments that protect and restore the coral reef ecosystems like improved sewage treatment, filtering and cleaning urban run-off, erosion control from agricultural areas and development projects, installation of mooring buoys to protect reefs from anchor damage, restoration of reefs, and enforcement of rules and regulations.
- The costs per trip would be paid by all residents and visitors to Puerto Rico through increased prices of goods and services. This might also include increases in local sales taxes to cover government costs to pay for protection and restoration.
- The Option A: Status Quo (No change in management), will cost your household nothing (\$0 per year), but will result in low reef condition on all of Puerto Rico's coral reef ecosystems, except for the few specially protected areas if rules and regulations are enforced.
- You will always have the option of choosing the Status Quo (Option A).
- Remember when making your choices on how much you are willing to pay that you only have so much income and if you pay to improve reef conditions you will have less to spend on other goods, services, and social issues that are important to you.
- Also, even under the low conditions there are three coral reefs within Puerto Rico that have strong protections that you could use, in addition to coral reefs outside Puerto Rico.

High Condition

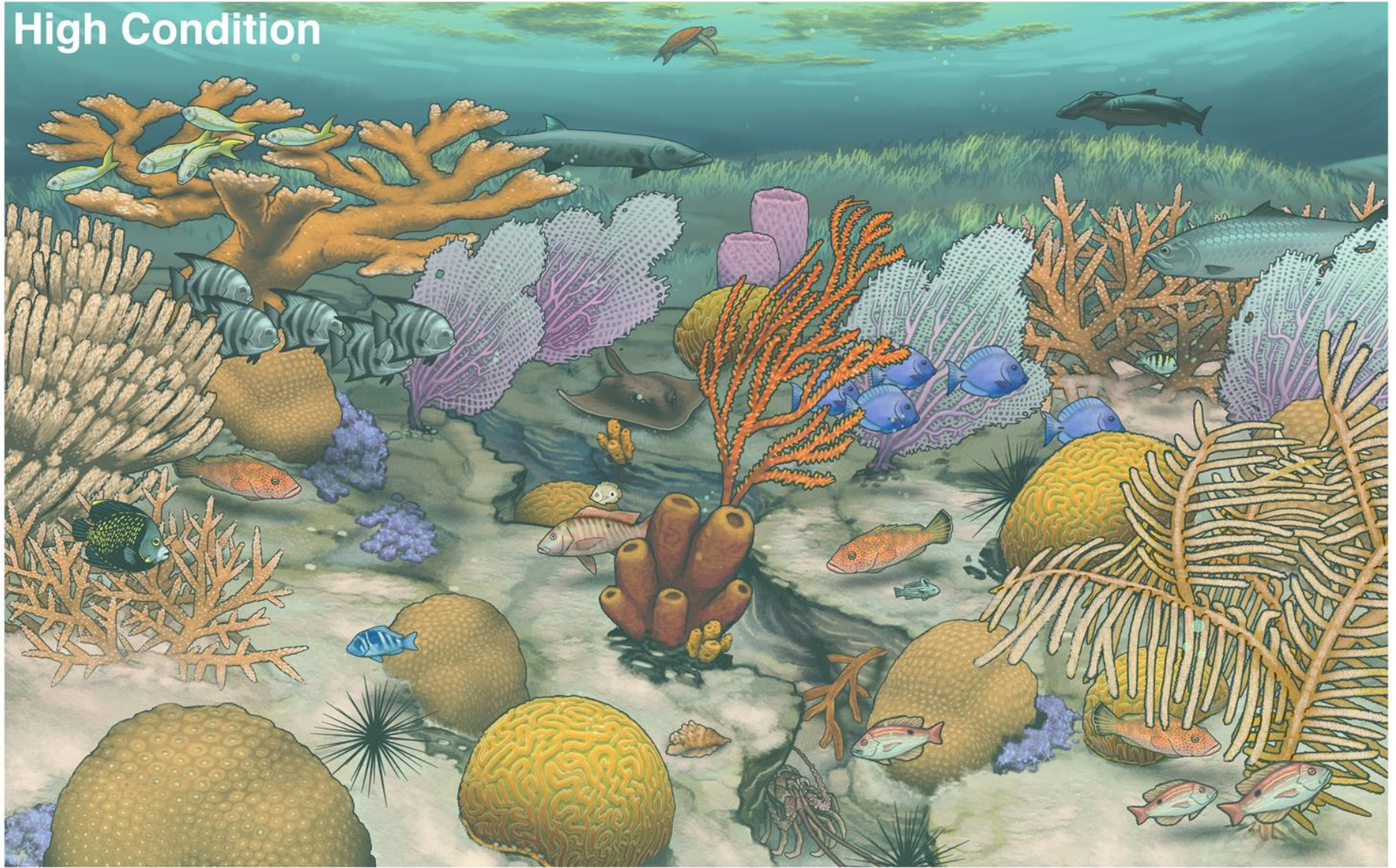


Illustration by Daniel Irizarri Oquendo

Medium Condition

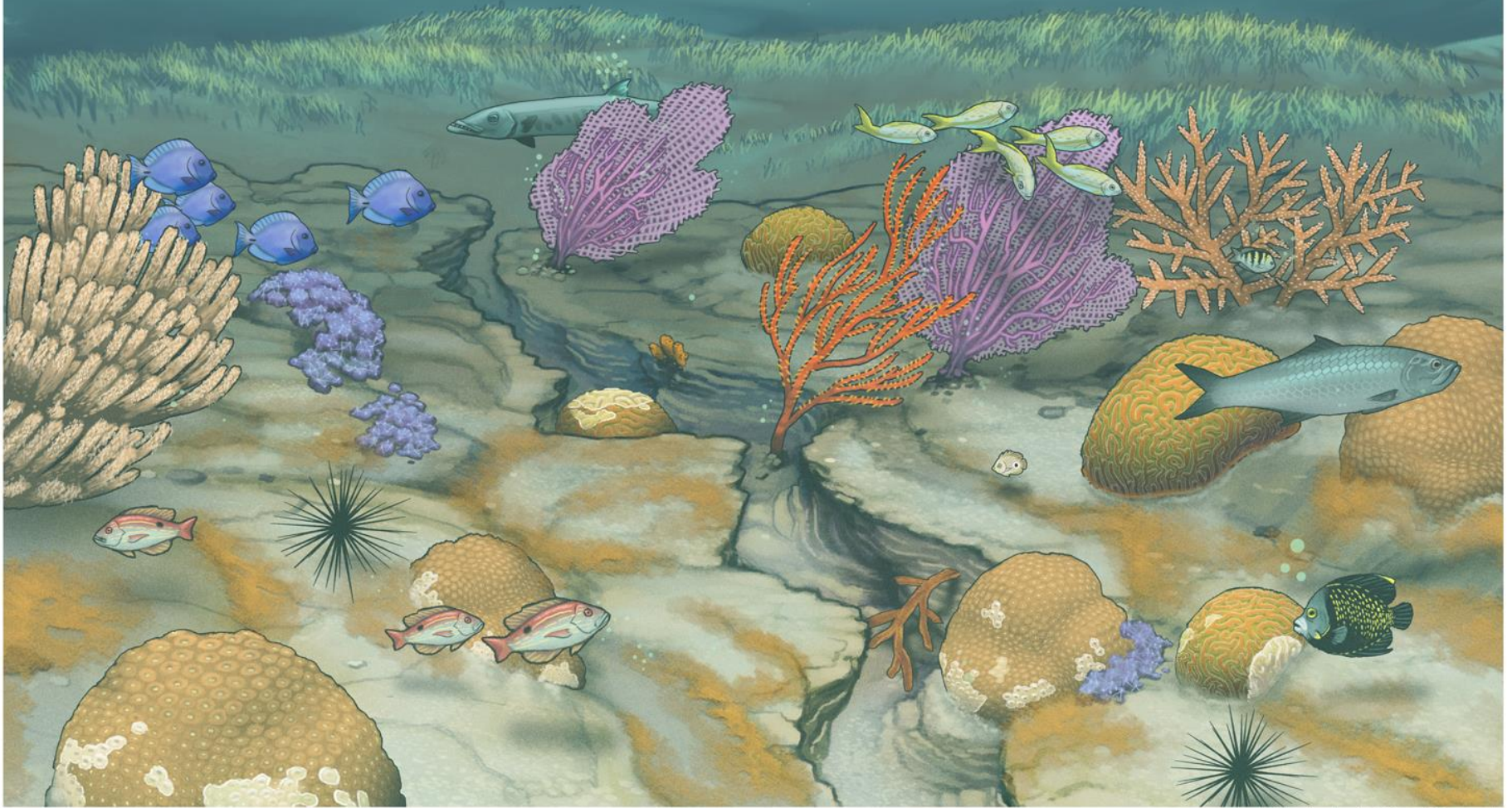


Illustration by Daniel Irizarri Oquendo

Low Condition

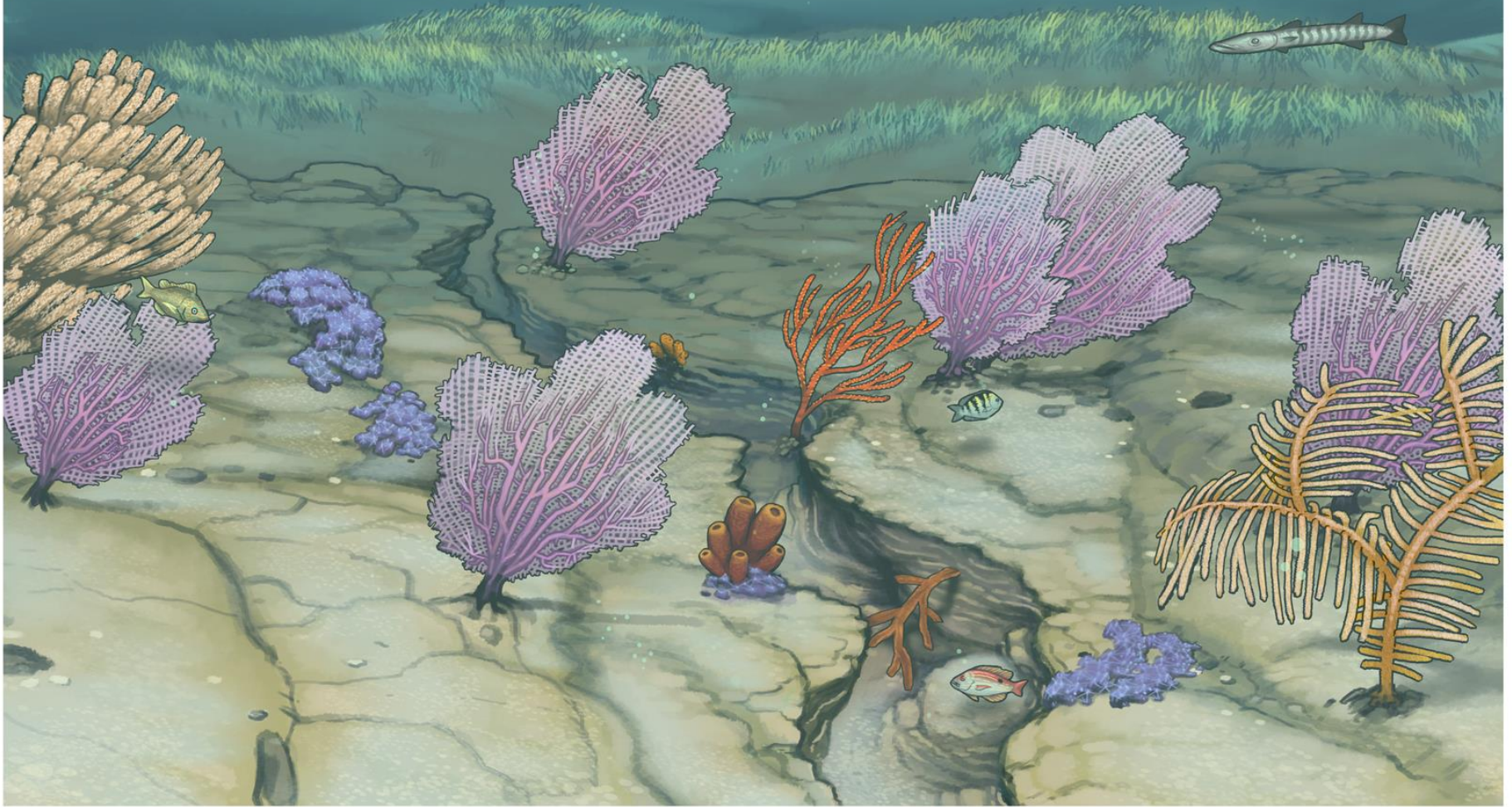


Illustration by Daniel Irizarri Oquendo







VISITORS - ECONOMIC VALUATION CARD

SECTION 1. How sure are you that the option you chose as your most preferred among the three options is your most preferred?

Select one answer only

- a. Not sure at all
- b. Slightly sure
- c. Moderately sure
- d. Very sure
- e. Extremely sure

SECTION 2. Would you prefer to pay for new environmental programs through higher taxes, the cost of incentives to businesses and households, or through higher prices?

Select one answer only

- a. Through higher taxes
- b. Through the cost of incentives to businesses and households
- c. Through higher prices
- d. No preference

SECTION 3. Would you say you think of yourself as not an environmentalist at all, slightly an environmentalist, a moderate environmentalist, a strong environmentalist or a very strong environmentalist?

Select one answer only

- a. Not an environmentalist at all
- b. Slightly an environmentalist
- c. A moderate environmentalist
- d. A strong environmentalist
- e. A very strong environmentalist

-----flip over to the other side-----

SECTION 4. Agreement with Statements

Statement	Strongly Disagree (a)	Somewhat Disagree (b)	Neither agree nor disagree (c)	Somewhat Agree (d)	Strongly Agree (e)
Costs should not be a factor when protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I found it difficult to select an option of reef conditions I preferred.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was concerned that the Puerto Rico government cannot effectively manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I should not have to pay more to protect or restore coral reefs in Puerto Rico.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The public's views as expressed in this survey should be important to the Puerto Rico government when it chooses how to manage coral reefs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I understood the different alternatives presented in each choice question.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The different reef attribute levels in each alternative were clear and I was able to distinguish the difference across the "Status Quo" and alternatives B and C in making my choice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The illustrations of coral reef conditions helped me distinguish the low, medium and high conditions for all reef attributes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The pictures of different levels of crowding helped me distinguish low, medium and high crowding conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The government should use incentives to businesses and households to pay for environmental protections instead of regulations that result in higher prices or taxes to businesses and households.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION 5. How certain are you that additional funding would achieve the goals of protecting the environment?

Select one answer only.

- a. Very certain**
- b. Certain**
- c. Somewhat certain**
- d. Uncertain**
- e. Very uncertain**

Version 1a, Choice 1

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	L: No Macroinvertebrates (conch, lobster or urchins)
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet	L: Clarity/Visibility: Less than 10 feet
Cleanliness: Not healthy for swimming	H: Healthy for swimming	H: Healthy for swimming
Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet	M: Depth of Reefs: 20 to 60 feet
Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people	M: Crowdedness: 11 to 20 people
\$0	\$125	\$60
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 1a, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.	L: No stony corals, only soft corals and sponges
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	L: No Macroinvertebrates (conch, lobster or urchins)	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	L: Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet	L: Depth of Reefs: Greater than 60 feet
Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people	L: Crowdedness: 21 or more people
\$0	\$500	\$250
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 1b, Choice 1

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	M: Clarity/Visibility: 10 to 50 feet	H: Clarity/Visibility: Greater than 50 feet
Cleanliness: Not healthy for swimming	L: Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	L: Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet
Crowdedness: 21 or more people	L: Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people
\$0	\$750	\$1,000
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 1b, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.	L: No stony corals, only soft corals and sponges
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	M: No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet	M: Clarity/Visibility: 10 to 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	L: Depth of Reefs: Greater than 60 feet	M: Depth of Reefs: 20 to 60 feet
Crowdedness: 21 or more people	L: Crowdedness: 21 or more people	M: Crowdedness: 11 to 20 people
\$0	\$500	\$750
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 2a, Choice 1

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	H: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter
No Macroinvertebrates (conch, lobster or urchins)	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	L: Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	L: Cleanliness: Not healthy for swimming
Depth of Reefs: Greater than 60 feet	L: Depth of Reefs: Greater than 60 feet	L: Depth of Reefs: Greater than 60 feet
Crowdedness: 21 or more people	L: Crowdedness: 21 or more people	L: Crowdedness: 21 or more people
\$0	\$1,000	\$750
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 2a, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	L: No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. L: Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter L: Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) with 20 or more per square meter (mostly urchins).	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet	M: Clarity/Visibility: 10 to 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet	M: Depth of Reefs: 20 to 60 feet
Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people	M: Crowdedness: 11 to 20 people
\$0	\$60	\$125
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 2b, Choice 1

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	L: No stony corals, only soft corals and sponges	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	L: No Macroinvertebrates (conch, lobster or urchins)	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet	M: Clarity/Visibility: 10 to 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	L: Cleanliness: Not healthy for swimming
Depth of Reefs: Greater than 60 feet	M: Depth of Reefs: 20 to 60 feet	H: Depth of Reefs: less than 20 feet
Crowdedness: 21 or more people	M: Crowdedness: 11 to 20 people	H: Crowdedness: 0 to 10 people
\$0	\$1,000	\$750
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 2b, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.	L: No stony corals, only soft corals and sponges
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	L: No Macroinvertebrates (conch, lobster or urchins)
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	M: Clarity/Visibility: 10 to 50 feet	H: Clarity/Visibility: Greater than 50 feet
Cleanliness: Not healthy for swimming	L: Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	L: Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet
Crowdedness: 21 or more people	L: Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people
\$0	\$60	\$125
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 3a, Choice 1

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.	L: No stony corals, only soft corals and sponges
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	L: Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	M: Depth of Reefs: 20 to 60 feet	L: Depth of Reefs: Greater than 60 feet
Crowdedness: 21 or more people	M: Crowdedness: 11 to 20 people	L: Crowdedness: 21 or more people
\$0	\$1,000	\$750
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 3a, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.	L: No stony corals, only soft corals and sponges
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	L: No Macroinvertebrates (conch, lobster or urchins)
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet	M: Clarity/Visibility: 10 to 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	L: Cleanliness: Not healthy for swimming
Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet	H: Depth of Reefs: less than 20 feet
Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people	H: Crowdedness: 0 to 10 people
\$0	\$250	\$500
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 3b, Choice 1

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	L: No Macroinvertebrates (conch, lobster or urchins)
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No Macroinvertebrates (conch, lobster or urchins)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	M: Clarity/Visibility: 10 to 50 feet	H: Clarity/Visibility: Greater than 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet	L: Depth of Reefs: Greater than 60 feet
Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people	L: Crowdedness: 21 or more people
\$0	\$1,000	\$750
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 3b, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. L: Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. L: 1 species of sponges for a total of less than 2 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	M: Clarity/Visibility: 10 to 50 feet	L: Clarity/Visibility: Less than 10 feet
Cleanliness: Not healthy for swimming	L: Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	M: Depth of Reefs: 20 to 60 feet	H: Depth of Reefs: less than 20 feet
Crowdedness: 21 or more people	M: Crowdedness: 11 to 20 people	H: Crowdedness: 0 to 10 people
\$0	\$500	\$750
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 4a, Choice 1

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	L: No stony corals, only soft corals and sponges	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. H: Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. L: 1 species of sponges for a total of less than 2 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	L: Clarity/Visibility: Less than 10 feet	M: Clarity/Visibility: 10 to 50 feet
Cleanliness: Not healthy for swimming	L: Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet	M: Depth of Reefs: 20 to 60 feet
Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people	M: Crowdedness: 11 to 20 people
\$0	\$1,000	\$750
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 4a, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.	L: No stony corals, only soft corals and sponges
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. U: Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter U: Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	L: No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	M: Clarity/Visibility: 10 to 50 feet	H: Clarity/Visibility: Greater than 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	L: Depth of Reefs: Greater than 60 feet	M: Depth of Reefs: 20 to 60 feet
Crowdedness: 21 or more people	L: Crowdedness: 21 or more people	M: Crowdedness: 11 to 20 people
\$0	\$60	\$125
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 4b, Choice 1

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	L: No Macroinvertebrates (conch, lobster or urchins)
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	M: Clarity/Visibility: 10 to 50 feet	H: Clarity/Visibility: Greater than 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	L: Depth of Reefs: Greater than 60 feet	M: Depth of Reefs: 20 to 60 feet
Crowdedness: 21 or more people	L: Crowdedness: 21 or more people	M: Crowdedness: 11 to 20 people
\$0	\$1,000	\$750
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 4b, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	L: No Macroinvertebrates	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet	L: Clarity/Visibility: Less than 10 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	L: Cleanliness: Not healthy for swimming
Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet	M: Depth of Reefs: 20 to 60 feet
Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people	M: Crowdedness: 11 to 20 people
\$0	\$250	\$60
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 5a, Choice 1

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter
No Macroinvertebrates (conch, lobster or urchins)	L: No Macroinvertebrates (conch, lobster or urchins)	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	L: Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	M: Depth of Reefs: 20 to 60 feet	L: Depth of Reefs: Greater than 60 feet
Crowdedness: 21 or more people	M: Crowdedness: 11 to 20 people	L: Crowdedness: 21 or more people
\$0	\$500	\$250
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 5a, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.	L: No stony corals, only soft corals and sponges
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	L: No Macroinvertebrates (conch, lobster or urchins)	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet	L: Clarity/Visibility: Less than 10 feet
Cleanliness: Not healthy for swimming	L: Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	M: Depth of Reefs: 20 to 60 feet	H: Depth of Reefs: less than 20 feet
Crowdedness: 21 or more people	M: Crowdedness: 11 to 20 people	H: Crowdedness: 0 to 10 people
\$0	\$1,000	\$750
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 5b, Choice 1

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	L: No stony corals, only soft corals and sponges	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	L: No Macroinvertebrates (conch, lobster or urchins)
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	M: Clarity/Visibility: 10 to 50 feet	L: Clarity/Visibility: Less than 10 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet	L: Depth of Reefs: Greater than 60 feet
Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people	L: Crowdedness: 21 or more people
\$0	\$125	\$60
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 5b, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	L: No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	L: No Macroinvertebrates (conch, lobster or urchins)
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet	M: Clarity/Visibility: 10 to 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	L: Cleanliness: Not healthy for swimming
Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet	L: Depth of Reefs: Greater than 60 feet
Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people	L: Crowdedness: 21 or more people
\$0	\$1,000	\$750
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 6a, Choice 1

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.	L: No stony corals, only soft corals and sponges
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter
No Macroinvertebrates (conch, lobster or urchins)	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).	L: No Macroinvertebrates (conch, lobster or urchins)
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet	M: Clarity/Visibility: 10 to 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet	M: Depth of Reefs: 20 to 60 feet
Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people	M: Crowdedness: 11 to 20 people
\$0	\$750	\$500
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 6a, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.	L: No stony corals, only soft corals and sponges
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	L: No Macroinvertebrates (conch, lobster or urchins)
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	M: Clarity/Visibility: 10 to 50 feet	L: Clarity/Visibility: Less than 10 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	M: Depth of Reefs: 20 to 60 feet	H: Depth of Reefs: less than 20 feet
Crowdedness: 21 or more people	M: Crowdedness: 11 to 20 people	H: Crowdedness: 0 to 10 people
\$0	\$60	\$250
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 6b, Choice 1

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	L: Clarity/Visibility: Less than 10 feet	M: Clarity/Visibility: 10 to 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	L: Cleanliness: Not healthy for swimming
Depth of Reefs: Greater than 60 feet	L: Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet
Crowdedness: 21 or more people	L: Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people
\$0	\$60	\$125
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 6b, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.	L: No stony corals, only soft corals and sponges
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter
No Macroinvertebrates (conch, lobster or urchins)	L: No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet	M: Clarity/Visibility: 10 to 50 feet
Cleanliness: Not healthy for swimming	L: Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	M: Depth of Reefs: 20 to 60 feet	L: Depth of Reefs: Greater than 60 feet
Crowdedness: 21 or more people	M: Crowdedness: 11 to 20 people	L: Crowdedness: 21 or more people
\$0	\$250	\$500
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 7a, Choice 1

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter
No Macroinvertebrates (conch, lobster or urchins)	L: No Macroinvertebrates (conch, lobster or urchins)	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	M: Clarity/Visibility: 10 to 50 feet	L: Clarity/Visibility: Less than 10 feet
Cleanliness: Not healthy for swimming	L: Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet	M: Depth of Reefs: 20 to 60 feet
Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people	M: Crowdedness: 11 to 20 people
\$0	\$250	\$125
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 7a, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.	L: No stony corals, only soft corals and sponges
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).	L: No Macroinvertebrates (conch, lobster or urchins)
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit,	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet	M: Clarity/Visibility: 10 to 50 feet
Cleanliness: Not healthy for swimming	L: Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet	M: Depth of Reefs: 20 to 60 feet
Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people	M: Crowdedness: 11 to 20 people
\$0	\$500	\$250
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 7b, Choice 1

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.	L: No stony corals, only soft corals and sponges
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. H: Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. L: 1 species of sponges for a total of less than 2 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	L: Up to two species of consumptive fish for a total of 3 fish per square	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	L: Clarity/Visibility: Less than 10 feet	M: Clarity/Visibility: 10 to 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	L: Cleanliness: Not healthy for swimming
Depth of Reefs: Greater than 60 feet	L: Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet
Crowdedness: 21 or more people	L: Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people
\$0	\$125	\$60
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 7b, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	L: No Macroinvertebrates (conch, lobster or urchins)
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	L: Clarity/Visibility: Less than 10 feet	M: Clarity/Visibility: 10 to 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	M: Depth of Reefs: 20 to 60 feet	H: Depth of Reefs: less than 20 feet
Crowdedness: 21 or more people	M: Crowdedness: 11 to 20 people	H: Crowdedness: 0 to 10 people
\$0	\$500	\$1,000
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 8a, Choice 1

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	L: No stony corals, only soft corals and sponges	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	L: No Macroinvertebrates (conch, lobster or urchins)
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet	M: Clarity/Visibility: 10 to 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	L: Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet
Crowdedness: 21 or more people	L: Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people
\$0	\$500	\$1,000
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 8, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. L: Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter L: Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.	L: Up to 3 species of tropical/ornamental fish
No Macroinvertebrates (conch, lobster or urchins)	L: No Macroinvertebrates (conch, lobster or urchins)	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet	L: Clarity/Visibility: Less than 10 feet
Cleanliness: Not healthy for swimming	L: Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	M: Depth of Reefs: 20 to 60 feet	H: Depth of Reefs: less than 20 feet
Crowdedness: 21 or more people	M: Crowdedness: 11 to 20 people	H: Crowdedness: 0 to 10 people
\$0	\$250	\$500
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 8b, Choice 1

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.	L: Crowdedness: 0 to 10 people
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	L: Up to two species of consumptive fish for a total of 3 fish per square meter	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	L: Clarity/Visibility: Less than 10 feet	M: Clarity/Visibility: 10 to 50 feet
Cleanliness: Not healthy for swimming	L: Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet	L: Depth of Reefs: Greater than 60 feet
Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people	L: Crowdedness: 21 or more people
\$0	\$250	\$125
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 8b, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	L: Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	L: Cleanliness: Not healthy for swimming
Depth of Reefs: Greater than 60 feet	M: Depth of Reefs: 20 to 60 feet	L: Depth of Reefs: Greater than 60 feet
Crowdedness: 21 or more people	M: Crowdedness: 11 to 20 people	L: Crowdedness: 21 or more people
\$0	\$60	\$125
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 9a, Choice 1

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.	L: No stony corals, only soft corals and sponges
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with 75 to 100% of legal size to keep.	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	L: No Macroinvertebrates (conch, lobster or urchins)	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet	L: Clarity/Visibility: Less than 10 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	L: Cleanliness: Not healthy for swimming
Depth of Reefs: Greater than 60 feet	L: Depth of Reefs: Greater than 60 feet	M: Depth of Reefs: 20 to 60 feet
Crowdedness: 21 or more people	L: Crowdedness: 21 or more people	M: Crowdedness: 11 to 20 people
\$0	\$250	\$60
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 9a, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.	L: No stony corals, only soft corals and sponges
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	H: Up to 15 species of consumptive fish for a total of 100 or more fish per square meter with	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	M: 4 to 10 species of tropical/ornamental fish with a
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	L: Clarity/Visibility: Less than 10 feet	M: Clarity/Visibility: 10 to 50 feet
Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	M: Depth of Reefs: 20 to 60 feet	L: Depth of Reefs: Greater than 60 feet
Crowdedness: 21 or more people	M: Crowdedness: 11 to 20 people	L: Crowdedness: 21 or more people
\$0	\$1,000	\$500
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 9b, Choice 1

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	M: Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.	L: No stony corals, only soft corals and sponges
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. L: Up to 3 species of sponges for a total of 2 to 7 square centimeters	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter L: Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	L: Up to two species of consumptive fish for a total of 3 fish per square	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.	L: Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter
No Macroinvertebrates (conch, lobster or urchins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: 2 or more species of Macroinvertebrates (conch, lobster or urchins) 1 lobster, 1 conch, and 20 or more urchins per square meter.
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	L: Clarity/Visibility: Less than 10 feet	H: Clarity/Visibility: Greater than 50 feet
Cleanliness: Not healthy for swimming	L: Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	H: Depth of Reefs: less than 20 feet	M: Depth of Reefs: 20 to 60 feet
Crowdedness: 21 or more people	H: Crowdedness: 0 to 10 people	M: Crowdedness: 11 to 20 people
\$0	\$250	\$125
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)

Version 9b, Choice 2

Option A: Status Quo – No changes in management (All Low Conditions)	Option B	Option C
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	L: No stony corals, only soft corals and sponges	H: 5 to 17 species of stony corals covering more than 20% and up to 100% of hard-bottom with over 90% to 100% live coral tissue.
Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter. Up to 3 species of sponges for a total of 2 to 7 square centimeters per square meter.	H: 1 species of soft corals for a total of less than 4 square centimeters per square meter. 1 species of sponges for a total of less than 2 square centimeters per square meter.
Fish and Wildlife	Fish and Wildlife	Fish and Wildlife
Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep	M: 3 to 6 species of consumptive fish for a total of 10 fish per square meter with up to 50% of legal size to keep.	L: Up to two species of consumptive fish for a total of 3 fish per square meter with no fish of legal size to keep
Up to 3 species of tropical/ornamental fish with a total of 3 fish per square meter	H: 25 to 30 species of tropical/ornamental fish for a total of 20 to 100 or more fish per square meter.	M: 4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.
No Macroinvertebrates (conch, lobster or urchins)	M: 1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).	L: No Macroinvertebrates (conch, lobster or urchins)
No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	H: Opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	L: No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)
No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	H: Opportunity to catch or see Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	L: No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	L: Clarity/Visibility: Less than 10 feet	M: Clarity/Visibility: 10 to 50 feet
Cleanliness: Not healthy for swimming	L: Cleanliness: Not healthy for swimming	H: Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	M: Depth of Reefs: 20 to 60 feet	H: Depth of Reefs: less than 20 feet
Crowdedness: 21 or more people	M: Crowdedness: 11 to 20 people	H: Crowdedness: 0 to 10 people
\$0	\$60	\$125
(Cost to your household per trip)	(Cost to your household per trip)	(Cost to your household per trip)



Economic Valuation of Puerto Rico's Coral Reef- Associated Tourism and Recreation

Sweepstakes Lottery Gifts for Visitors

Grand Prize—in Vieques

- Lodging (a room for two for 3 nights) - provided by Esperanza Inn
- Dive tour for 2 - provided by Isla Nena Scuba
- ½ day fishing trip - provided by Vieques Sport Fishing (Capt. J. Ferguson)
- Coffee table book (*Beneath the Waves*) - provided by PR Sea Grant
- Reusable Gore Tex shopping bag - provided by Surfrider Foundation Rincón
- Children's Book (*Adventures of Pelican*) - provided by Jobos Bay National Estuarine Reserve
- Puerto Rico T-shirt - provided by Puerto Rico Tourism Company

First Prize

- Dive trip for 2 certified divers from Fajardo reefs - provided by Sea Ventures Inc.
- 1/2 day deep sea fishing trip (1/2 price) - from Fajardo - provided by Light Tackle Paradise (Capt. Marcos Hanke)
- Coffee table book (*Beneath the Waves*) - provided by PR Sea Grant
- Reusable Gore Tex shopping bag - provided by Surfrider Foundation Rincón
- Children's Book (*Adventures of Pelican*) - provided by Jobos Bay National Estuarine Reserve



Second Prize

- 1/2 day fishing trip (in-shore) in Cabo Rojo - provided by Light Tackle Adventures (Capt. Pochy Rosario)
- Coffee table book (*Beneath the Waves*) - provided by PR Sea Grant
- Reusable Gore Tex shopping bag - provided by Surfrider Foundation Rincón
- Children's Book (*Adventures of Pelican*) - provided by Jobos Bay National Estuarine Reserve
- Puerto Rico T-shirt - provided by Puerto Rico Tourism Company

Consolation Prizes

- Reusable Gore Tex shopping bag - provided by Surfrider Foundation Rincón
- Puerto Rico T-shirt - provided by Puerto Rico Tourism Company
- National Geographic Society logo shopping bag - provided by National Geographic Society
- Book (*On Assignment*) - provided by National Geographic Society

Sweepstakes Lottery is being conducted by Ridge to Reefs, Inc.



For Further information, contact:

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