

ATTACHMENT D: Survey Forms and Supporting Materials

Resident Surveys: List of Items

In-home and Mailback Surveys

1. Tally sheet
2. On-site Questionnaire
3. Reef Activities List (Blue Card)
4. Respondent Card (Green Card)
5. Full Activities List (White Card)
6. Region Maps (one overall showing all five regions and one for each of the five regions)
7. Illustrations of Coral Reef Conditions (Low, Medium and High)
8. Photos for Introduction to Choice Questions
9. Photos for Crowding Issue in Choice Questions
10. Coral Reef Definitions and Conditions Card
11. Management Solutions Card
12. Economic Valuation Card
13. Demographics Card
14. Choice Set Cards-Pre-test
15. Choice Set Question Dollar Amounts for each Version (pre-test dollar amounts)
16. Satisfaction Mailback Questionnaire: Full Survey
17. Importance Rating Sheet: Pre-test for reef attributes in Choice questions
18. Expenditure Mailback Questionnaire
19. Mailback Center GREEN PAGE with Postage Paid and Return Address (Side 1)
20. Mailback Center GREEN PAGE with instructions to respondent (Side 2)
21. Post Card Reminder for mailbacks
22. Pre-notification Letter (OMB is most likely going to require the use of a pre-notification letter to resident households.
23. Choice Question Cards: Full Survey, 9 Versions (dollar amounts to be determined from pre-test)

Resident Survey

Items Needed:

1. Brochure for gifts in sweepstakes/lottery (don't need for OMB submission)

Interview Number:

OMB Approval #: 0648-0000

Expiration Date:

Version 1

Puerto Rico Resident Survey

Your answers are voluntary and confidential.

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.

A5. What would you say is the most important recreational activity you did in Puerto

Rico? Most Important Activity _____(Activity List Number)

No Activity Most Important (check box)

A6. On how many different days did you participate in outdoor recreation activities outside of Puerto Rico during the past 12 months? _____ (# of days)

Part B: Coral reef use in the Puerto Rico during the past 12 months.

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 the past 12 months 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 the past 12 months in Region 1, Region 2, Region 3, Region 4, Region 5.**
- B3. How many others in your household 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 the past 12 months?**

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 the past 12 months?**

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.

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.

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, all the reef conditions are at a medium level of condition and will cost your household \$__ per year. For Option C, all reef conditions are improved to the highest condition and will cost your household \$__ per year.

C3. Which option do you prefer? _____

C4. 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)

C5. 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

C6. 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, some reef conditions are at a medium level and some at the high level of condition and will cost your household \$__ per year. For Option C, some reef conditions are at the medium level and some are improved to the highest condition and this will cost your household \$__ per year.

C7. Which option do you prefer? _____

C8. 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)

C9. Please provide a brief comment that helps us understand why you chose the option as your most preferred option? _____

C10. 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 3.

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, some reef conditions are at a low level and some at the high level of condition and will cost your household \$__ per year. For Option C, some reef conditions are at the low level and some are improved to the highest condition and this will cost your household \$__ per year.

C11. Which option do you prefer? _____

C12. 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)

C13. Please provide a brief comment that helps us understand why you chose the option as your most preferred option?

C14. 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 4.

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, some reef conditions are at a low level and some at the medium level of condition and will cost your household \$__ per year. For Option C, some reef conditions are at the medium level and some are the low condition and this will cost your household \$__ per year.

C15. Which option do you prefer? _____

C16. 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)

C17. Please provide a brief comment that helps us understand why you chose the option as your most preferred option?

C18. 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)

C19. 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.

If you had to choose, would you prefer to pay for new environmental programs through higher income taxes 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)

C20. 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 _____)

C21. 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)

C22. 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"/>

C23. 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 residents.

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

- D1. How many people in your household are permanent residents of Puerto Rico?
_____ number of people
- D2. How many of these household members are age 16 or older? _____ number of people
- D3. Do you own a boat? ___ Yes ___ No
- D4. How many years have you lived in Puerto Rico? _____ number of years
- D5. In what year were you born? _____ year
- D6. Are you Hispanic, Latino, or of Spanish origin? ___ Yes ___ No

Hand Respondent Demographics Card.

- D7. What race do you consider yourself? Please refer to Section 1 of the Demographics Card and tell me the letter or letters that best describes you. ___ ___ ___ (letters)
- D8. What is the highest level of education that you have completed? Please refer to Section 2 of the Demographics Card and tell me the letter corresponding to the category that best describes you. ___ (letter)
- D9. What is your employment status? Please refer to Section 3 of the Demographics Card and tell me the letter corresponding to the category that best describes you. ___ (letter)
- D10. What is your household income before taxes? Please refer to Section 4 of the Demographics Card and tell me the letter corresponding to the category that best describes you. ___ (letter)

That concludes the survey today. We would like to know if you would fill out two mail back questionnaires. They ask about your expenditures while doing reef activities on your last trip and what things are important to you and how satisfied you are with them. These mail back questions are self-addressed to the University of Puerto Rico – Mayaguez and postage is paid.

- D11. Will you take these questionnaires, fill them out and mail them to us? ___ Yes ___ No.

THANK YOU that concludes our interview.

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

RESIDENT'S -RESPONDENT CARD

CONFIDENTIALITY 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, 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 Sea Grant, 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.

ACTIVITIES LIST

Number	<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 2



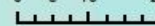
Sources: Esri, DeLorme, USGS, NPS, Sources: Esri, USGS, NOAA



Legend

 Region 3




0 5 10 20 Miles


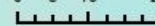
Sources: Esri, DeLorme, USGS, NPS, Sources: Esri, USGS, NOAA



Legend

 Region 5



0 5 10 20 Miles


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

Low Condition



Illustration by Daniel Irizarri Oquendo

Medium Condition

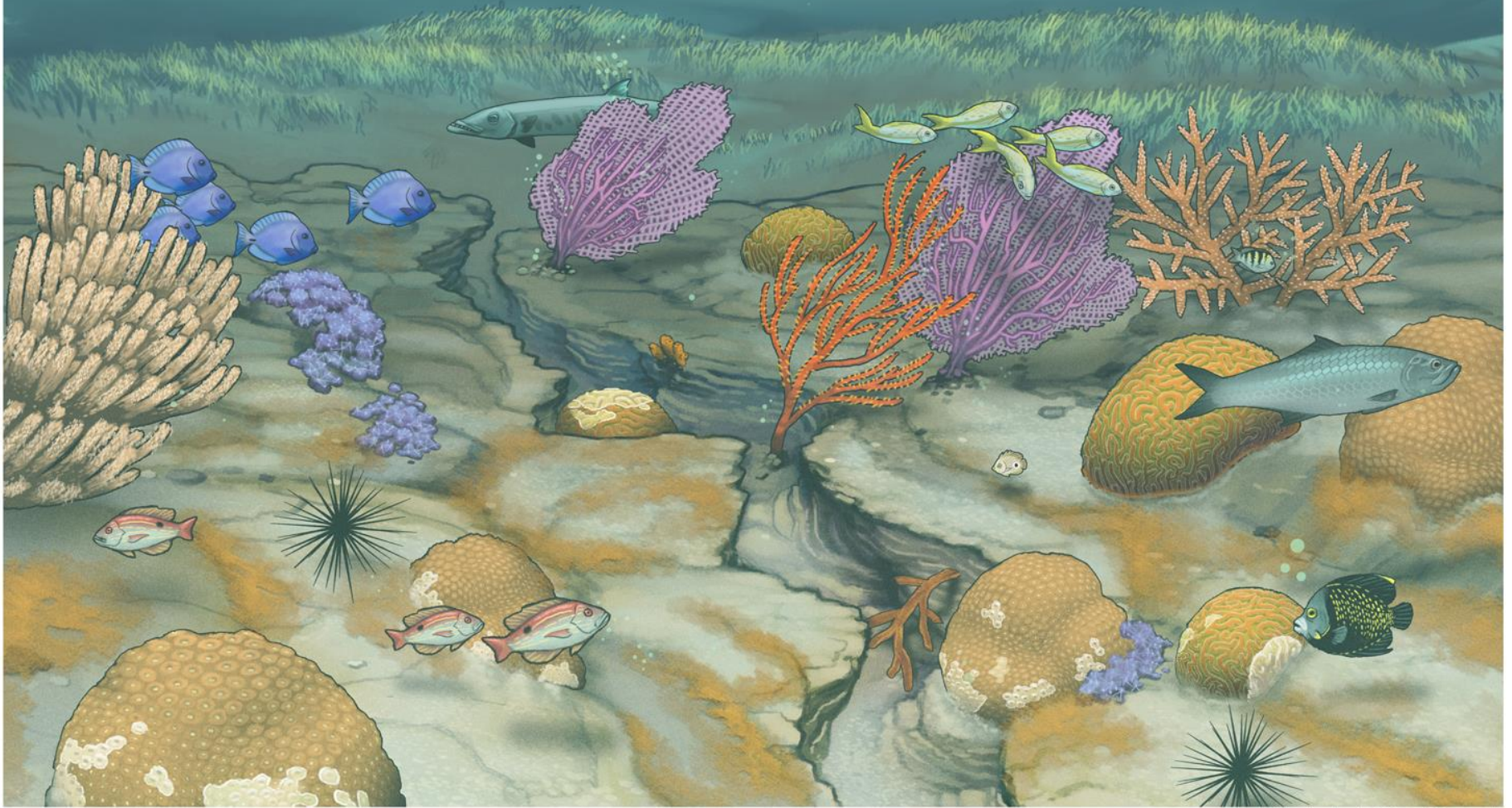


Illustration by Daniel Irizarri Oquendo

High Condition

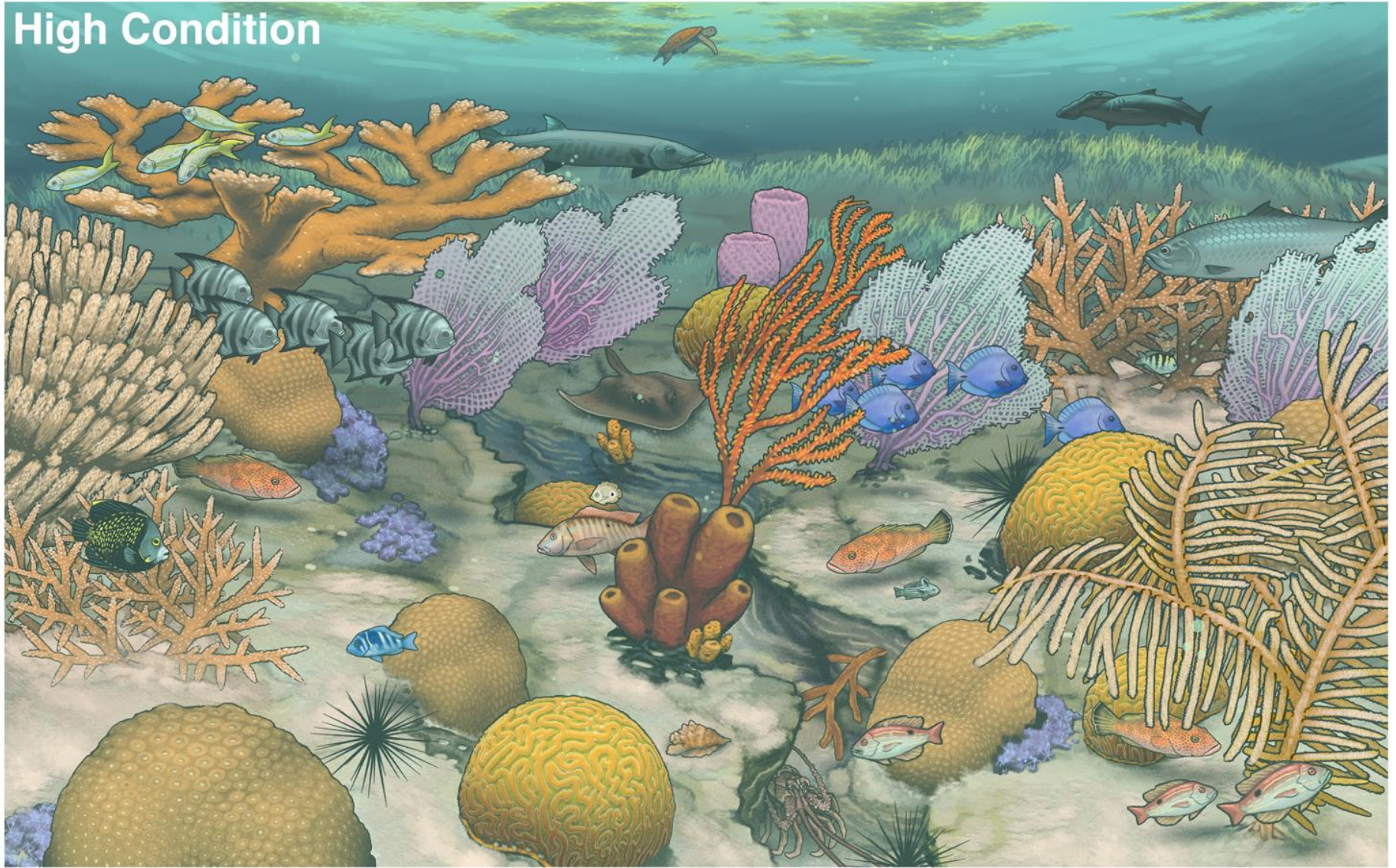


Illustration by Daniel Irizarri Oquendo

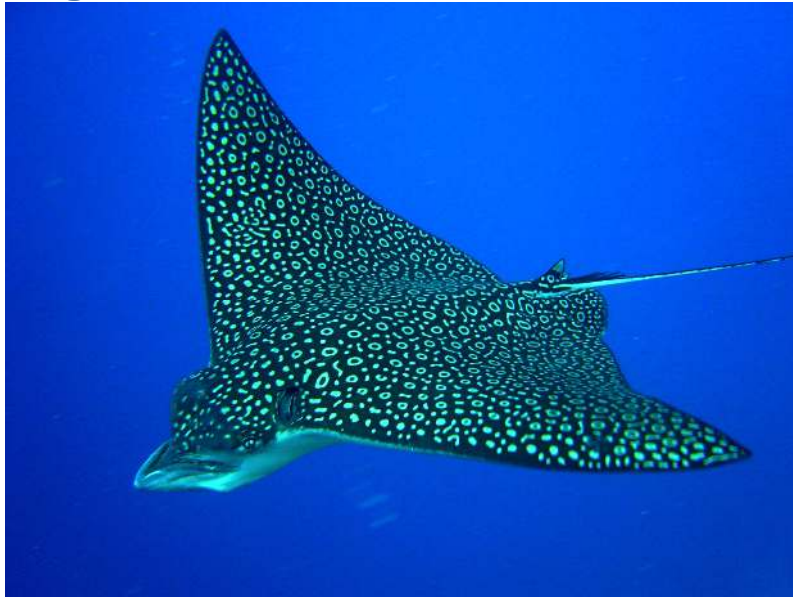
Stony Corals



Soft Corals and Sponges



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.

RESIDENT'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 year 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 year 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).

RESIDENT'S - 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 income taxes or through higher prices?

Select one answer only

- a. Through higher income tax**
- b. Through higher prices**
- c. 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"/>

RESIDENTS - DEMOGRAPHICS CARD

SECTION 1. What race do you consider yourself?

Select as many as apply

- a. White
- b. Black or African American
- c. American Indian or Alaskan Native
- d. Asian
- e. Native Hawaiian or Other Pacific Islander

SECTION 2. What is the highest level of education that you have completed?

Select one answer only

- a. 8th grade or less
- b. 9th to 11th grade
- c. 12th grade. High School Graduate or equivalent (GED)
- d. 13 to 15 years (some college or vocational training)
- e. College Graduate
- f. Graduate School, Law School, Medical School

SECTION 3. What is your employment status?

Select all that apply

- a. Unemployed
- b. Employed full-time
- c. Employed Part-time
- d. Retired
- e. Student
- f. Homemaker
- g. None of the above (specify)

SECTION 4. What is your household income before taxes?

Select one answer only

- a. Under \$5,000
- b. \$5,000 to \$9,999
- c. \$10,000 to \$14,999
- d. \$15,000 to \$19,999
- e. \$20,000 to \$24,999
- f. \$25,000 to \$29,999
- g. \$30,000 to \$34,999
- h. \$35,000 to \$39,999
- i. \$40,000 to \$44,999
- j. \$45,000 to \$49,999
- k. \$50,000 to \$59,999
- l. \$60,000 to \$74,999
- m. \$75,000 to \$99,999
- n. \$100,000 to \$149,999
- o. \$150,000 or more

Part E: Economic Value of Puerto Rico’s Coral Reef Ecosystems – Choice Set 1

Option A: Status Quo – No changes in management	Option B: Coral Reefs In Medium Level of Condition	Option C: Coral Reefs in High Level of Condition
Corals and Sponges	Corals and Sponges	Corals and Sponges
No stony corals, only soft corals and sponges	Up to 4 species of stony corals covering 5 to 20% of hard-bottom with 60 to 90% live coral tissue.	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 3 species of soft corals for a total of 4 to 14 square centimeters per square meter.	1 species of soft corals for a total of less than 4 square centimeters per square meter.
Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	Up to 3 species of sponges for a total of 2 to 7 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	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 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	4 to 10 species of tropical/ornamental fish with a total of 10 fish per square meter.	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)	1 species of Macroinvertebrates with 1 to 20 per square meter (urchins).	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)	No opportunity to see large wildlife (sharks, rays, turtles, manatees, dolphins)	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)	No opportunity to see or catch Sport/Trophy fish (ladyfish, permit, bonefish, tarpon, snook, jacks)	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	Clarity/Visibility: 10 to 50 feet	Clarity/Visibility: Greater than 50 feet
Cleanliness: Not healthy for swimming	Cleanliness: Healthy for swimming	Cleanliness: Healthy for swimming
Depth of Reefs: Greater than 60 feet	Depth of Reefs: 20 to 60 feet	Depth of Reefs: less than 20 feet
Crowdedness: 21 or more people	Crowdedness: 11 to 20 people	Crowdedness: 0 to 10 people
\$0	\$	\$
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Choice 2

Option A: Status Quo – No changes in management	Option B: 6M & 6H	Option C: 6H & 6M
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	M: Up to 3 species of soft corals for a total of 4 to 14 square centimeters per square meter.	H: 1 species of soft corals for a total of less than 4 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 sponges for a total of 2 to 7 square centimeters per square meter.	H: 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	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)	M: 1 species of Macroinvertebrates (urchins) with 1 to 20 per square meter.	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)	M: 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)	M: 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	M: 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	\$	\$
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Choice 3

Option A: Status Quo – No changes in management	Option B: 6L and 6H	Option C: 6 H and 6L
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	L: Up to 4 species of soft corals for a total of 14 to 25 square centimeters per square meter	H: 1 species of soft corals for a total of less than 4 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 sponges for a total of 7 to 15 square centimeters per square meter	H: 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	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)	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
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	\$	\$
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Choice 4

Option A: Status Quo – No changes in management	Option B: 6L and 6 M	Option C: 6M and 6 L
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	L: Up to 4 species of soft corals for a total of 14 to 25 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 4 species of sponges for a total of 7 to 15 square centimeters per square meter	L: Up to 4 species of sponges for a total of 7 to 15 square centimeters per square meter	M: 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	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)	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)	M: 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)	M: 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)
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	M: Cleanliness: Healthy for swimming	L: Cleanliness: Not healthy for swimming
Depth of Reefs: Greater than 60 feet	M: Depth of Reefs: 11 to 20 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	\$	\$
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Puerto Rico Coral Reef Ecosystem Valuation

Choice Questions _Pre-test Bids: Internet Panel

For the pre-test there will be four choice sets in which respondents will choose between three options/alternatives. The same four choice sets are used in each version. The differences in versions are the prices/bids for each option. The Status Quo is included in each choice set and is labelled Option A and the dollar amount is always zero (\$). Each choice set also has a B and C option. Versions should be randomized across Internet Panel members. Below are the dollar amounts for each Option in each version.

Choice 1: A=Status Quo (all attributes in low condition), B (all attributes in medium condition), C (all attributes in high condition)

Version 1: Prices: A=\$0, B=\$500, C=\$1,000

Version 2: Prices: A=\$0, B=\$250, C=\$500

Version 3: Prices: A=\$0, B=\$125, C=\$250

Version 4: Prices: A=\$0, B=\$60, C=\$125

Choice 2: A=Status Quo (all attributes in low condition), B (6 attributes in medium and 6 attributes in high), C (6 attributes in high condition and 6 attributes in medium condition)

Version 1: Prices: A=\$0, B=\$750, C=\$750

Version 2: Prices: A=\$0, B=\$375, C=\$375

Version 3: Prices: A=\$0, B=\$190, C=\$190

Version 4: Prices: A=\$0, B=\$95, C=\$95

Choice 3: A=Status Quo (all attributes in low condition), B (6 attributes in low and 6 attributes in high), C (6 attributes in high condition and 6 attributes in low condition)

Version 1: Prices: A=\$0, B=\$500, C=\$500

Version 2: Prices: A=\$0, B=\$250, C=\$250

Version 3: Prices: A=\$0, B=\$125, C=\$125

Version 4: Prices: A=\$0, B=\$60, C=\$60

Choice 3: A=Status Quo (all attributes in low condition), B (6 attributes in low and 6 attributes in medium), C (6 attributes in medium condition and 6 attributes in low condition)

Version 1: Prices: A=\$0, B=\$250, C=\$250

Version 2: Prices: A=\$0, B=\$125, C=\$125

Version 3: Prices: A=\$0, B=\$60, C=\$60

Version 4: Prices: A=\$0, B=\$30, C=\$30

Pre-test options are purposely designed at the extremes to help design bid amounts for the final survey. Final survey will use options in choice sets based on a fractional factorial design.

THANK YOU!

for
participating in this
Recreation Survey

Dear Resident,

Recently you indicated that you would be willing to complete this questionnaire. It is self-explanatory and should not take long 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 and confidential. 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.

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,

Dr. Miguel del Pozo (Project Lead)
University of Puerto Rico - Mayaguez Campus
Telephone: (787) 941-3559
Miguel.delpozo@gmail.com

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.

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

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 or do 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 healthy 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, piers)	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 or do 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 you did
or do 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 healthy 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, piers)	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. Have you lived in Puerto Rico more than five years?

- 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 healthy 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, piers)	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 healthy for swimming and other water-based activities.	n/a	dk	1	2	3	4	5	
24)	Amount of living corals on the reefs.	n/a	dk	1	2	3	4	5	
25)	Many kinds of fishes 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, piers)	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 healthy for swimming and other water-based activities	n/a	dk	1	2	3	4	5	
24)	Amount of living corals on the reefs.	n/a	dk	1	2	3	4	5	
25)	Many kinds of fishes 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 III d)

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

III d. Do you live on the coast with access to the water?

- Yes
- No

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

- Not Important
 - Somewhat Important
 - Important
 - Veryt Important
 - Extremely Important
- 1 2 3 4 5

III f. How many years have you been doing recreation activities in Puerto Rico?

_____ (Years)

IVa. Islands like Puerto Rico face competing demands for development. When choosing a place in Puerto Rico for your 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

IVb. 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

V. 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 Elkhorn 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
8)	I support more coral nurseries for restoring coral reefs.					

OMB Approval #:

Expiration Date:

That's All!! If you would like to be entered into a sweepstakes to win a free Vacation to Culebra 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

- * TBD
- * TBD
- * TBD
- * TBD
- * TBD

FIRST PRIZE

- * TBD
- TBD
- * TBD

SECOND PRIZE

- * TBD
- * TBD
- * TBD

-

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.

Your participation in this
recreation expenditure survey is

GREATLY APPRECIATED

Dear Resident,

Recently you indicated that you would be willing to complete this questionnaire. It is self-explanatory and should not take long 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 and confidential. 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,

Dr. Miguel del Pozo (Project Lead)
University of Puerto Rico - Mayaguez Campus
Telephone: (787) 941-3559
Miguel.delpozo@gmail.com

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 CORAL REEF RECREATION

We would like to ask you about the expenses related to your coral reef recreation in Puerto Rico during the last 12 months. 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 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.

EXAMPLE: Joe and Jane Smith purchased round-trip tickets to Vieques online at \$150 each, or a total of \$300. Their total amount spent for the trip was \$300 (Column A).

Item	Column A: Total amount spent for your coral reef recreation in Puerto Rico?
TRANSPORTATION	
Airline Fare	
a) Package tour	_____
b) Any other airline fare	300

Item	Column A: Total amount spent for your coral reef recreation i n Puerto Rico?
BOATING during the past 12 months 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/>
FISHING during the past 12 months Cut bait Live bait Daily or special fishing permits Fishing lines, fly lines, fishnets, and minnow traps Charter/party boat, guide service	 <hr/> <hr/> <hr/> <hr/> <hr/>
SCUBA DIVING/SNORKELING during the past 12 months Rental fee for equipment Charter/party boat, guide service	 <hr/> <hr/>
SIGHTSEEING during the past 12 months 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/>

PART B: ANNUAL VACATION AND EQUIPMENT PURCHASES

This section asks about money people spent on recreational equipment, boat storage, time-share and condo fees and related purchases over the past 12 months. 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 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 second 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 Puerto Rico
BOATING EQUIPMENT		
New motorized boats or jet skis	<u>29,000</u>	<u>12,000</u>

Item	Column A: Total Purchases in Past 12 Months	Column B: Purchases in Puerto Rico
MAJOR RECREATIONAL EQUIPMENT 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 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 Describe: _____	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____
ANNUAL LODGING-RELATED FEES 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 Culebra 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

- * TBD
- * TBD
- * TBD
- * TBD
- * TBD

FIRST PRIZE

- * TBD
- TBD
- * TBD

SECOND PRIZE

- * TBD
- * TBD
- * TBD

-

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NO POSTAGE
NECESSARY IF
MAILED IN THE
UNITED STATES

BUSINESS REPLY MAIL

FIRST CLASS MAIL PERMIT NO. X MAYAGUEZ, PR

Dr. Miguel del Pozo
Sea Grant College Program
UPR-RUM Call Box 9000
Mayaguez, PR 00681-9000

Please begin this questionnaire on Page 1

If you have already mailed us a questionnaire, thank you for your cooperation. You do not need to send us a second questionnaire.

Please turn page for more questions.

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED
STATES

Respondent's Name

Respondents' Street Address

Respondents's City, State/Territory/Country, Zip Code (US)

Post Card Reminder

You completed a survey on the use of Puerto Rico's coral reefs in your home. We handed you two mailback questionnaires.

If you have already mailed us the questionnaires, thank you for your cooperation. You do not need to send us a second questionnaire. You will be entered into the sweepstakes/lottery for each survey questionnaire you completed.

If you have not completed the questionnaires, please complete them and put them in the mail. Postage is already paid.

If you lost your copies, you will receive another copy in the mail in a couple of weeks.

Thanks You, Miguel del Pozo, Project Leader, University of Puerto Rico – Mayaguez 787-941-3559

Resident Survey Pre-notification Letter

To be placed on University of Puerto Rico – Mayaguez Letter-head

Address of household

XXXXXXXXXXXXXXXXXXXX

XXXXXXXXXXXXXXXXXXXX

Dear Household Member:

The University of Puerto Rico – Mayaguez is undertaking a study on the importance of Puerto Rico’s coral reefs to both residents and visitors to Puerto Rico.

The study is sponsored by Puerto Rico Sea Grant, the National Oceanic and Atmospheric Administration (NOAA) and the U.S. Environmental Protection Agency. Your household has been selected to be part of the study. If you or anyone in your household has used Puerto Rico’s coral reefs for recreation during the past 12 months, you qualify for the survey. The survey will take place in your home and will take about one hour. In addition, there are two self-addressed, postage paid mailback surveys that will be handed out for you to fill out and mail to the University.

If you complete the survey, for each survey component you complete you will be entered into a sweepstakes/lottery that will be run by Ridge-to-Reefs, Inc. a non-profit organization with a chance to win a free vacation to the Island of Culebra. If you complete all three components of the survey, you will have three chances to win one of the prizes listed below:

Grand Prize: Free Vacation for two to the Island of Culebra, including hotel, rental jeep, restaurant meals, and a snorkeling, SCUBA diving, or fishing adventure.

First Prize: TBD

Second Prize: TBD

We will be in your community *<dates and times>* to conduct the interviews. If you won’t be home during those dates and times and want to participate in the survey please call me at 787-941-3559 or Mrs. Migdalia Figueroa at 787-832-8045 to arrange for an interview time.

If no one in your household has done any recreational activities on Puerto Rico’s coral reefs during the past 12 months, could you please simply mark the box that says “Did not use Puerto Rico’s coral reefs” on the enclosed self-addressed, postage paid postcard and return it to the University.

If someone in your household did do some recreational activities on Puerto Rico’s coral reefs during the past 12 months but you do not want to participate in the survey, could you please simply mark the box that says “Did use Puerto Rico’s coral reefs, but do not want to participate” on the enclosed self-addressed, postage paid card and return it to the University.

Thank You,

Miguel del Pozo, Project Leader

Version 1, 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	2	4
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 1, 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	3	1
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 1, Choice 3

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	4	6
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 1, Choice 4

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	4	5
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 2, 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	5	1
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 2, 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	2	6
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 2, Choice 3

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	6	5
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 2, Choice 4

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	1	4
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 3, 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	4	5
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 3, 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	3	2
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 3, Choice 3

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	6	1
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 3, Choice 4

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. U: 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. U: 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	5	4
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 4, 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	4	2
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 4, 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	5	1
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 4, Choice 3

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	6	5
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 4, Choice 4

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	2	3
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 5, 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	5	3
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 5, 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	6	5
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 5, Choice 3

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	2	1
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 5, Choice 4

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. U: 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. U: 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	6	2
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 6, 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	6	3
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 6, 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	4	1
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 6, Choice 3

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	2	1
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 6, Choice 4

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	3	4
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 7, 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	3	2
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 7, 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	5	3
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 7, Choice 3

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. U: 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. U: 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
Water Conditions	Water Conditions	Water Conditions
Clarity/Visibility: Less than 10 feet	L: Clarity/Visibility: Less than 10 feet	M:
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	2	4
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 7, Choice 4

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	6	1
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 8, 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	3	6
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

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	4	3
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 8, Choice 3

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	3	2
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 8, Choice 4

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	1	5
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 9, 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	4	1
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 9, 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: Depth of Reefs: 20 to 60 feet	L: Crowdedness: 21 or more people
\$0	5	3
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 9, Choice 3

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: Depth of Reefs: 20 to 60 feet
\$0	2	5
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)

Version 9, Choice 4

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: Depth of Reefs: 20 to 60 feet	H: Crowdedness: 0 to 10 people
\$0	2	1
(Cost to your household per year)	(Cost to your household per year)	(Cost to your household per year)