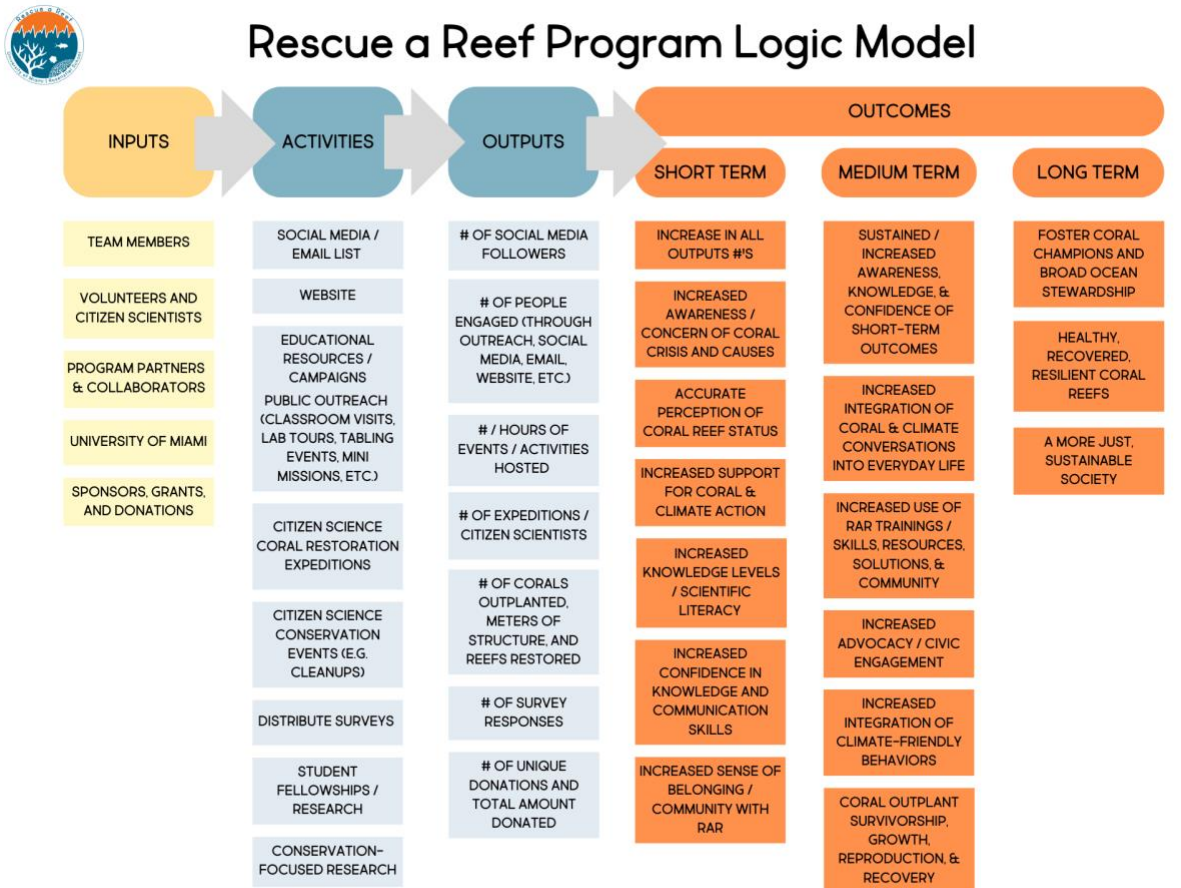


Supplementary Material

1 Supplementary Figures



"TO BUILD COMMUNITY AND COASTAL RESILIENCE THROUGH CORAL REEF RESEARCH, RESTORATION, AND CITIZEN SCIENCE."

Supplementary Figure 1. Rescue a Reef Logic Model outlining the organization's theory of change.

RAR Program Evaluation Survey

Start of Block: Default Question Block

After 5+ years of hosting Rescue a Reef citizen science expeditions, we are conducting an evaluation to determine both the impact of our program and areas for improvement.

Please find our short, anonymous survey below and answer the questions to the best of your ability. Thank you for volunteering to contribute- we greatly appreciate it!

(Note - please complete this survey **ONLY** if you have participated in a Rescue a Reef coral restoration expedition)

Q1 What is your age range?

- ☐ 18 - 24 years old (1)
 - ☐ 25 - 34 years old (2)
 - ☐ 35 - 44 years old (3)
 - ☐ 45 years or older (4)
-

Q2 Are you a current resident of South Florida?

- ☐ Yes (1)
 - ☐ No (2)
 - ☐ Seasonal (3)
 - ☐ Other (4) _____
-

Q3 What is your highest level of education?

- ☐ High school graduate, diploma, or equivalent (1)
 - ☐ Some college credit, no degree (2)
 - ☐ Associate or professional degree (3)
 - ☐ Bachelor's degree (4)
 - ☐ Master's degree (5)
 - ☐ Doctorate degree (7)
-

Q4 Is your schooling and/or job directly related to environmental research, conservation, education, advocacy, policy, or similar?

- ☐ Yes (1)
 - ☐ No (2)
 - ☐ Maybe (3) _____
-

[Type here]

Q5

How have you interacted with Rescue a Reef? (check all that apply)

- ☐ Social media (1)
 - ☐ Coral restoration expedition (2)
 - ☐ Public event (3)
 - ☐ Presentation (4)
 - ☐ Email subscriber (5)
 - ☐ Donated to Rescue a Reef (7)
 - ☐ Other (6) _____
-

Q6 How long has it been since your **first** interaction with Rescue a Reef? (**in reference to previous question**)

- ☐ Less than 1 year (1)
 - ☐ 2 years (2)
 - ☐ 3 years (3)
 - ☐ 4 years (4)
 - ☐ 5+ years (5)
-

Q7 Have you participated in a Rescue a Reef citizen science coral restoration expedition before (diver or snorkeler)?

☐ Yes (1)

☐ No (2)

Skip To: End of Survey If Have you participated in a Rescue a Reef citizen science coral restoration expedition before (div... = No

End of Block: Default Question Block

Start of Block: Block 3

Q8 When did you **last** participate in a Rescue a Reef expedition?

☐ 2015 (2)

☐ 2016 (10)

☐ 2017 (11)

☐ 2018 (12)

☐ 2019 (13)

☐ 2020 (14)

☐ 2021 (15)

Q9 How many Rescue a Reef expeditions have you participated in **total**?

☐ 1 (1)

☐ 2 (2)

☐ 3 (3)

☐ 4+ (4)

[Type here]

Q10 During your expedition(s), how did you participate?

- ☐ SCUBA diver (1)
 - ☐ Snorkeler / topside (2)
 - ☐ Both (3)
-

Q11 Are you interested in participating in future Rescue a Reef expeditions?

- ☐ Yes (1)
 - ☐ No (2)
 - ☐ Maybe (3) _____
-

Q12 How many non-Rescue a Reef dives have you completed to date?

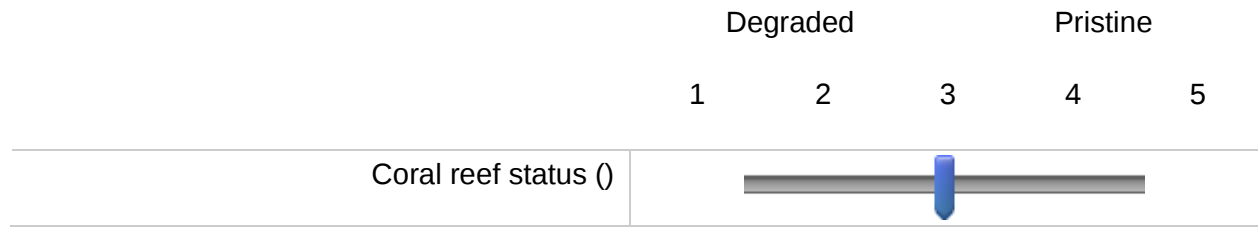
- ☐ N/A (snorkeler) (1)
- ☐ 1 - 10 (2)
- ☐ 11 - 25 (3)
- ☐ 26 - 50 (4)
- ☐ 50+ (5)

End of Block: Block 3

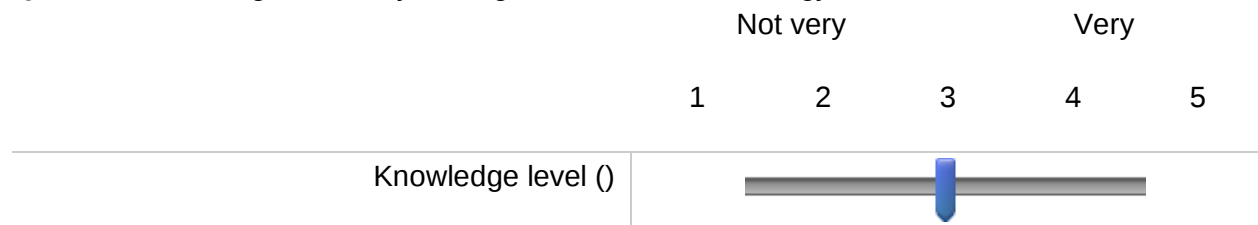
Start of Block: Block 2

Please answer the following questions honestly.

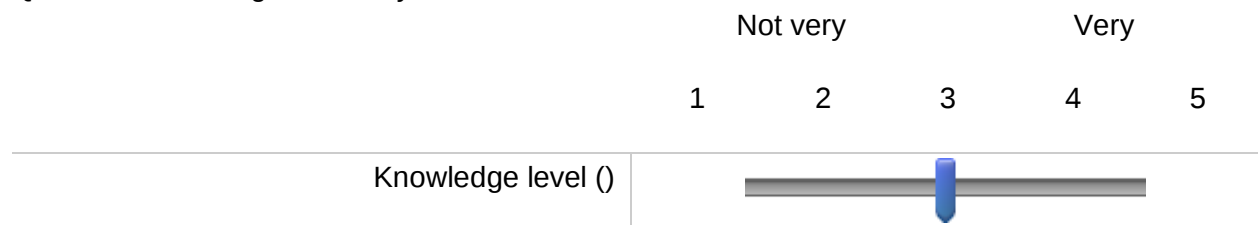
Q13 What is the status of coral reefs in Florida?



Q14 How knowledgeable are you on general coral reef ecology?



Q15 How knowledgeable are you on the threats to coral reefs?



Q16 How knowledgeable are you on the tools available for coral reef conservation?



[Type here]

Q17 How confident are you in your ability to communicate these topics to others?

	Not very	Very			
	1	2	3	4	5
Confidence level ()					

Q18

How comfortable do you feel reaching out to Rescue a Reef if you have a question?

	Not very	Very			
	1	2	3	4	5
Comfort Level ()					

Q19

How likely are you to support Rescue a Reef in additional ways?
(i.e. volunteering, donating, advocating, etc.)

	Not very	Very			
	1	2	3	4	5
Likelihood ()					

Page Break

Q20 What are the largest issues facing coral reefs?

Q21 What ecosystem services do coral reefs provide?

Q22 Please rank these coral conservation actions in order of importance (1=most important)

- ☐ Land-based pollution reduction (4)
- ☐ Coral reef restoration (6)
- ☐ Addressing climate change (7)
- ☐ Marine protected areas (8)
- ☐ Public education and stewardship (5)
- ☐ Fisheries management (10)

Page Break

[Type here]

Q23 Have your perceptions of coral reefs changed because of your interaction(s) with Rescue a Reef?

☐ Yes (1)

☐ No (2)

Display This Question:

*If Have your perceptions of coral reefs changed because of your interaction(s) with Rescue a Reef?
= Yes*

Q24 Can you please describe what perception(s) have changed?

Q25

Have your behaviors/actions changed because of your interaction(s) with Rescue a Reef?

☐ Yes (1)

☐ No (2)

Display This Question:

If Have your behaviors/actions changed because of your interaction(s) with Rescue a Reef? = Yes

Q26 Can you please describe what behavior/action(s) have changed?

Q27 In what way(s) do you think Rescue a Reef has impacted you the most?

Page Break

Q28

Please share any final thoughts and/or ways we can improve our program!

End of Block: Block 2

Supplementary Figure 2. Rescue a Reef survey instrument designed using Qualtrics and distributed via email to every individual who had previously participated in a citizen science expedition.

RAR Program Evaluation Survey - CONTROL

Start of Block: Block 3

Welcome! We thank you for your interest in participating in our short, anonymous survey.

End of Block: Block 3

Start of Block: Default Question Block

Q1 What is your age range?

- ☐ Less than 18 years old (5)
- ☐ 18 - 24 years old (1)
- ☐ 25 - 34 years old (2)
- ☐ 35 - 44 years old (3)
- ☐ 45 years or older (4)

Skip To: End of Block If What is your age range? = Less than 18 years old

Page Break

Q2 Are you a current resident of Florida?

- ☐ Yes (1)
- ☐ No (2)

Skip To: End of Block If Are you a current resident of Florida? = No

Page Break

Q3 What is your highest level of education?

- ☐ High school graduate, diploma, or equivalent (1)
- ☐ Some college credit, no degree (2)
- ☐ Associate or professional degree (3)
- ☐ Bachelor's degree (4)
- ☐ Master's degree (5)
- ☐ Doctorate degree (7)

Page Break

Q4 Is your schooling and/or job directly related to environmental research, conservation, education, advocacy, policy, or similar?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Maybe (3) _____

Page Break

Q5 Have you participated in an environmental citizen science project before?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Maybe (4) _____

Display This Question:

If Have you participated in an environmental citizen science project before? = Yes

Q6 If yes, which project(s) did you participate in?

End of Block: Default Question Block

Start of Block: Block 3

Q7 Are you a SCUBA diver?

☐ Yes (1)

☐ No (2)

Display This Question:

If Are you a SCUBA diver? = Yes

Q8 How many dives have you completed to date?

☐ 1 - 10 (2)

☐ 11 - 25 (3)

☐ 26 - 50 (4)

☐ 50+ (5)

End of Block: Block 3

Start of Block: Block 2

Please answer the following questions honestly.

Q9 What is the status of coral reefs in Florida?

	Degraded	Pristine			
	1	2	3	4	5
Coral reef status ()					

Page Break

Q10 How knowledgeable are you on general coral reef ecology?

	Not very	Very			
	1	2	3	4	5
Knowledge level ()					

Page Break

Q11 How knowledgeable are you on the threats to coral reefs?

	Not very	Very			
	1	2	3	4	5
Knowledge level ()					

Page Break

Q12 How knowledgeable are you on the tools available for coral reef conservation?

Not very

Very

1

2

3

4

5

Knowledge level ()



Page Break

Q13 How confident are you in your ability to communicate these topics to others?

Not very

Very

1

2

3

4

5

Confidence level ()



Page Break

Q14

How comfortable do you feel reaching out to key coral reef organizations if you have a question? (e.g. Florida Fish and Wildlife Conservation Commission, Florida Dept. of Environmental Protection, NGO)

Not very

Very

1

2

3

4

5

Comfort Level ()



Page Break

Q15

How likely are you to support coral conservation in additional ways?
(i.e. volunteering, donating, advocating, etc.)

	Not very	Very			
	1	2	3	4	5
Likelihood ()					

Page Break

Q16 What are the largest issues facing coral reefs?

Page Break

Q17 What ecosystem services do coral reefs provide?

Page Break

Q18 Please rank these coral conservation actions in order of importance (1=most important)

- _____ Land-based pollution reduction (4)
- _____ Coral reef restoration (6)
- _____ Addressing the causes of climate change (7)
- _____ Marine protected areas (8)
- _____ Public education, advocacy, and stewardship (5)
- _____ Fisheries management (10)

End of Block: Block 2

Supplementary Figure 3. Rescue a Reef survey instrument designed using Qualtrics and distributed via email to a stratified random sample of Florida residents 18 years of age or older.