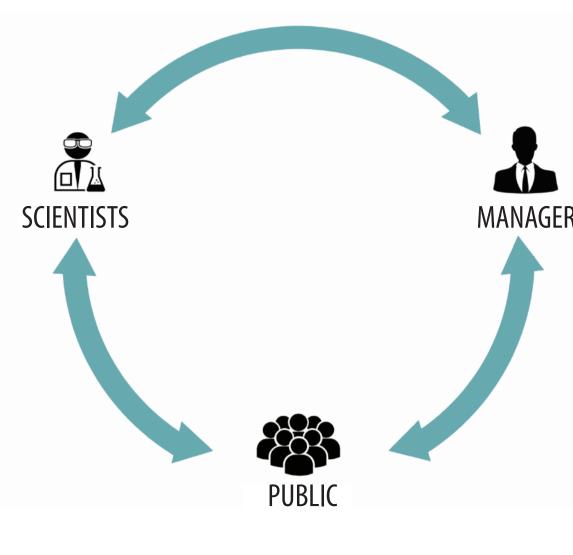
# **BRIDGING SCIENCE AND MANAGEMENT in the Pacific Remote Islands Marine National Monument**

Shannon Boyle, Vanessa De Anda, Kara Koenig, Erin O'Reilly, and Monique Schafer Faculty Advisor: Mark Buntaine | Client: National Oceanic and Atmospheric Administration (NOAA)

## NTRODUCTION

The Pacific Remote Islands Marine National Monument (PRIMNM), one of the Marine National Monuments co-managed by NOAA and U.S. Fish and Wildlife Service, was established in 2009 and later expanded in 2014. Spanning the central Pacific, the seven islands protected under the Monument - Baker, Howland, Jarvis, Johnston, Kingman, Palmyra, and Wake - are relatively uninhabited and support intact and unique coral reef ecosystems. Although not subject to direct human pressures, the marine communities face threats from climate change.



Since 2000, NOAA has conducted monitoring surveys in the PRIMNM spanning biological, chemical, and physical parameters. These data are used by scientists and managers to better understand coral reef ecosystem health. Due to the recent designation of the PRIMNM, the data collected was not synthesized prior to this project. The newly synthesized data will inform managers in their creation of a management plan. Agencies must foster effective communication between all stakeholders in order to successfully manage large-scale marine protected areas such as the PRIMNM. Therefore to better protect and preserve this Monument, it is important to have effective communication between scientists, managers, and the public. This study is an effort to bridge the gaps identified between all stakeholders.

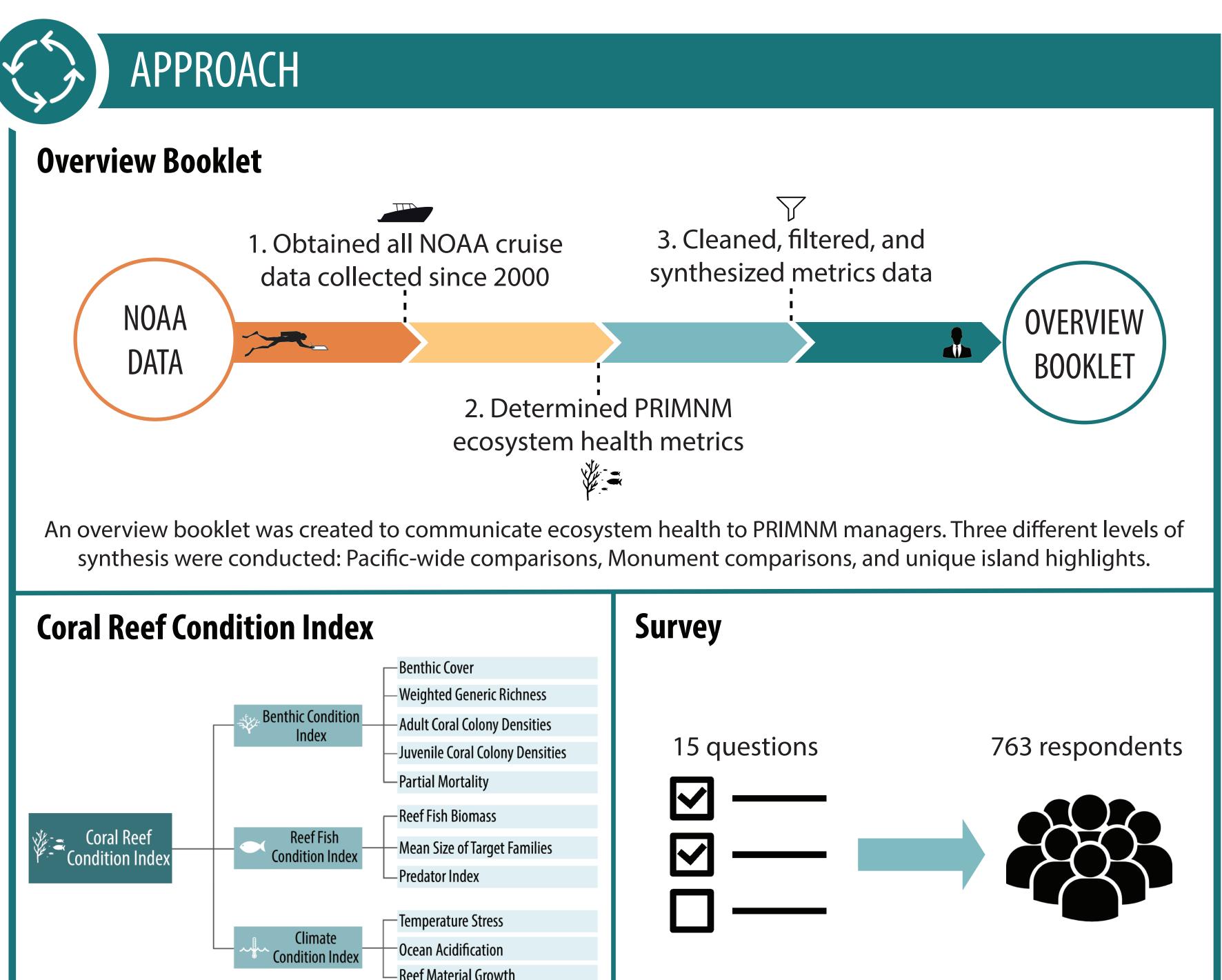
### **Objectives**

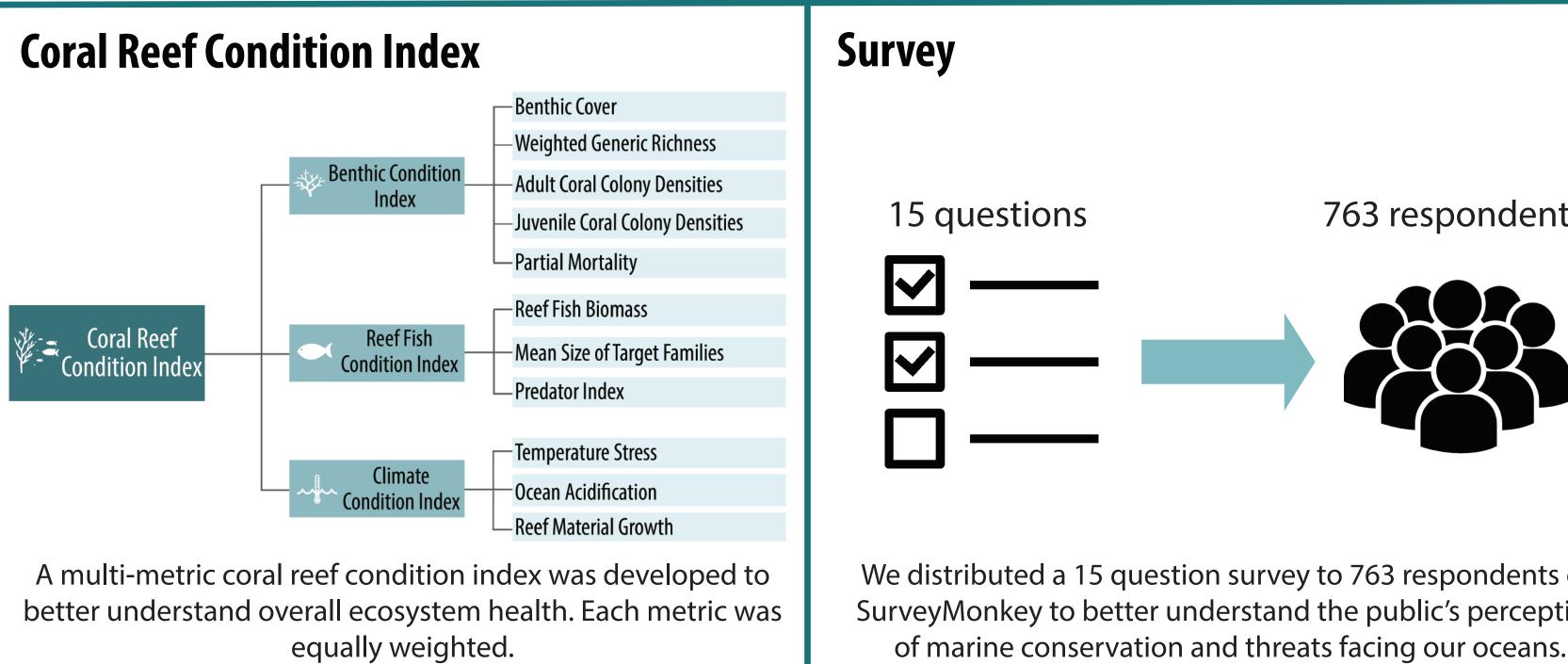


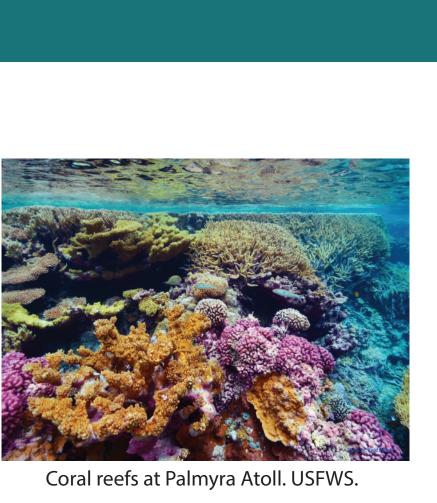
Communicate ecosystem health to resource managers



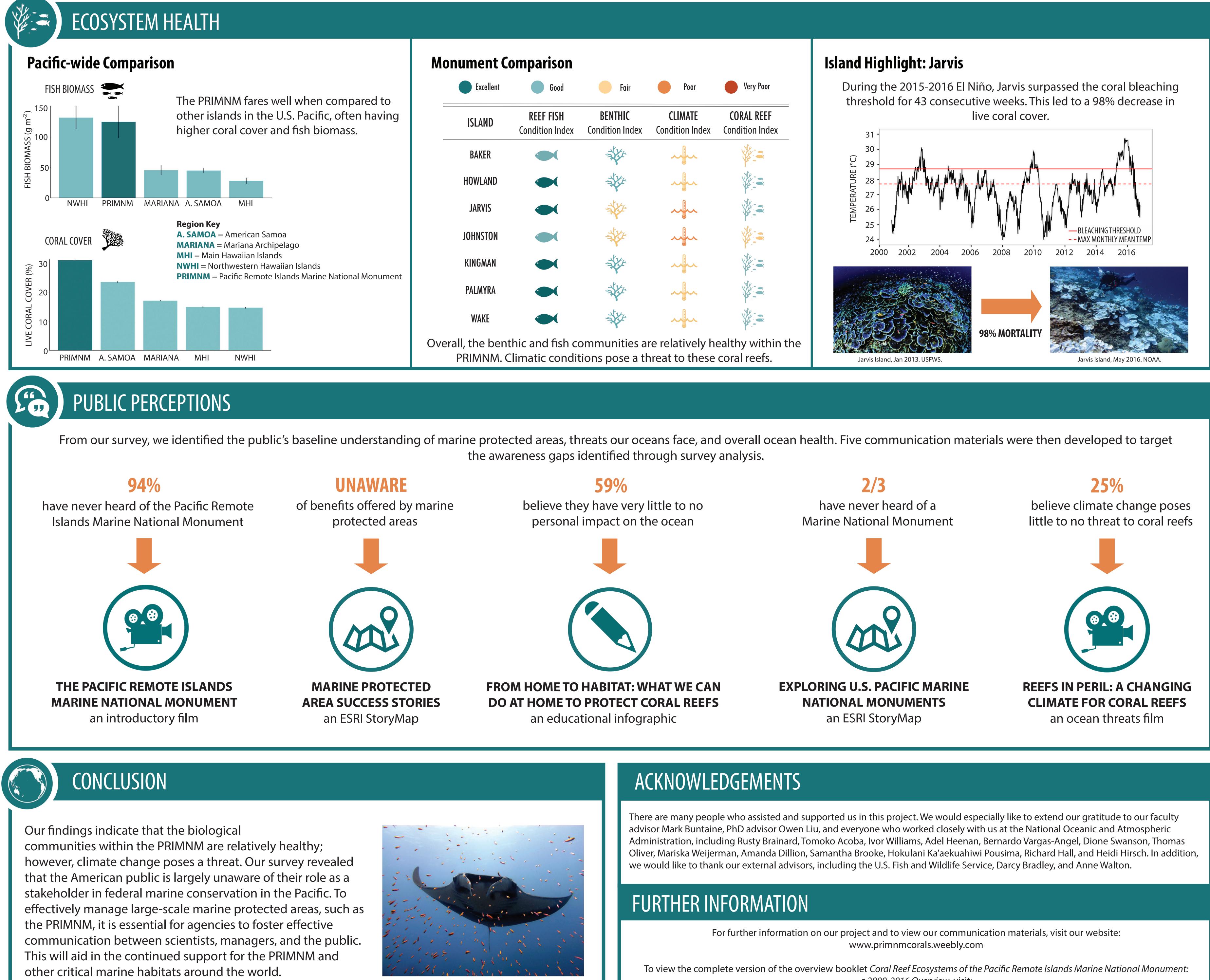
Identify public perceptions and increase awareness of Pacific Marine National Monuments







We distributed a 15 question survey to 763 respondents on SurveyMonkey to better understand the public's perception



Manta ray at Jarvis Island. NOAA.

*a 2000-2016 Overview*, visit:

www.pifsc.noaa.gov/cred/coral\_reef\_ecosystem\_monitoring\_reports.php

