


RESOURCE GUIDE

Scavenger Hunt: Navigating the Marianas Trench Marine National Monument



Use this resource guide to help you find solutions to the scavenger hunt questions marked with a . Page 4 of this guide contains a map of the Marianas Trench Marine National Monument.



Scan the QR code for full activity details or visit:

www.fisheries.noaa.gov/resource/educational-materials/scavenger-hunt-navigating-through-marianas-trench-marine-national

7 Why is the Marianas Trench Marine National Monument culturally significant to the people of the Mariana Islands?

VIDEO

Our Deepest Waters - Marianas Trench Marine National Monument

NOAA Pacific Marine Environmental Laboratory (PMEL)

https://www.youtube.com/watch?v=UxT_hFNbHWE&t

BROCHURE

Traditional Fishing in the Islands Unit of the Marianas Trench Marine National Monument

NOAA Pacific Islands Fisheries Science Center

<https://www.soest.hawaii.edu/jimar/socioecon/Traditional%20Fishing%20brochure.pdf>

WEBSITE

500 Sails: Restoring Maritime Traditions in the Mariana Islands

500 Sails

www.500sails.org

8 The Marianas Trench Marine National Monument includes the waters and submerged lands of which Mariana Islands?

MAP

Map: Marianas Trench Marine National Monument

NOAA Fisheries/U.S. Fish & Wildlife Service

Visit [page 4](#) of this resource guide

WEBSITE

Marianas Trench Marine National Monument

NOAA Fisheries

www.fisheries.noaa.gov/pacific-islands/habitat-conservation/marianas-trench-marine-national-monument#location-and-size

FACTSHEET

Marianas Trench Marine National Monument

U.S. Fish & Wildlife Service/NOAA

www.fws.gov/uploadedFiles/Region_1/NWRS/Zone_1/Mariana_Trench_Marine_National_Monument/Documents/MTMNM%20brief%205-24-2012.pdf

9 True or False?
Students from the Mariana Islands named Sirena Deep after the Chamorro story of Sirena.

WEBSITE

DEEPSEA CHALLENGE: Marianas Trench Marine National Monument

National Geographic

www.deepseachallenge.com/the-science/marianas-trench-marine-national-monument/

NEWS PUBLICATION

Contest Winner

Man, Land, and Sea: News of Guam and Her Ocean Environment

<http://content-static.guampdn.com/guampublishing/special-sections/manlandsea/mls-vol2iss4-web.pdf>

10 True or False? The waters in the Volcanic Unit/Arc of Fire Refuge and Trench Unit/Refuge are protected as part of the Monument.

WEBSITE

Marianas Trench Marine National Monument

NOAA Fisheries

www.fisheries.noaa.gov/pacific-islands/habitat-conservation/marianas-trench-marine-national-monument#location-and-size

FACTSHEET

Marianas Trench Marine National Monument

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www.fws.gov/uploadedFiles/Region_1/NWRS/Zone_1/Mariana_Trench_Marine_National_Monument/Documents/MTMNM%20brief%205-24-2012.pdf

11 True or False?
A Marine National Monument protects just one species, not entire ecosystems.

WEBSITE

Marine National Monuments of the Pacific

NOAA Fisheries

www.fisheries.noaa.gov/pacific-islands/habitat-conservation/marine-national-monuments-pacific

13 In which unit can mud volcanoes and hydrothermal vents be found?

POSTER

Marianas Trench Classroom Posters

NOAA Fisheries

<https://www.fisheries.noaa.gov/resource/educational-materials/marianas-trench-classroom-posters>

VIDEO

Maug's Caldera: A Natural Laboratory

PBS

www.pbs.org/video/changing-seas-maug-s-caldera-natural-laboratory-main/

WEBSITE

The Geology of the Mariana Convergent Plate Region

NOAA Office of Ocean Exploration and Research

<https://oceanexplorer.noaa.gov/oceanos/explorations/ex1605/background/geology/welcome.html>

WEBSITE

Vents and Volcanoes

NOAA Office of Ocean Exploration and Research

<https://oceanexplorer.noaa.gov/edu/themes/vents-and-volcanoes/welcome.html>

18 What are some of the harsh conditions that marine inhabitants face while living in the Volcanic Unit/ Arc of Fire Refuge or Trench Unit/Refuge?

WEBSITE

What Conditions Exist for Life in the Deep Ocean?

NOAA Office of Ocean Exploration and Research
<https://oceanexplorer.noaa.gov/facts/deep-habitat.html>

WEBSITE

Establishment of the Marianas Trench Marine National Monument

NOAA Office of Ocean Exploration and Research
<https://oceanexplorer.noaa.gov/oceanos/explorations/ex1605/background/mtmnm/welcome.html>

WEBSITE

Mariana Trench Wildlife & Habitat

U.S. Fish & Wildlife Service
www.fws.gov/refuge/Mariana_Trench_Marine_National_Monument/wildlife_and_habitat

VIDEO

First Voyage to the Marianas Trench Marine National Monument

Asia Pacific Academy of Science, Education, and Environmental Management
www.youtube.com/watch?v=kU_XeCMBNCE

VIDEO

Hydrothermal Hunt - Expedition Summary - FK15118

Schmidt Ocean Institute
<https://schmidtocean.org/cruise-log-post/hydrothermal-hunt-video-matrix-summary/>

LESSON PLAN

Ocean Explorer Section 5: Ocean Zones

NOAA Office of Ocean Exploration and Research
<https://oceanexplorer.noaa.gov/edu/curriculum/section5.pdf>

19 What are some threats facing the Islands Unit?

VIDEO

First Voyage to the Marianas Trench Marine National Monument

Asia Pacific Academy of Science, Education and Environmental Management
www.youtube.com/watch?v=kU_XeCMBNCE

WEBSITE

Earth Day² - Encounters With Trash

NOAA Office of Exploration and Research
<https://oceanexplorer.noaa.gov/oceanos/explorations/ex1605/logs/apr22/welcome.html>

LESSON PLAN

Exploring the Deep Ocean with NOAA

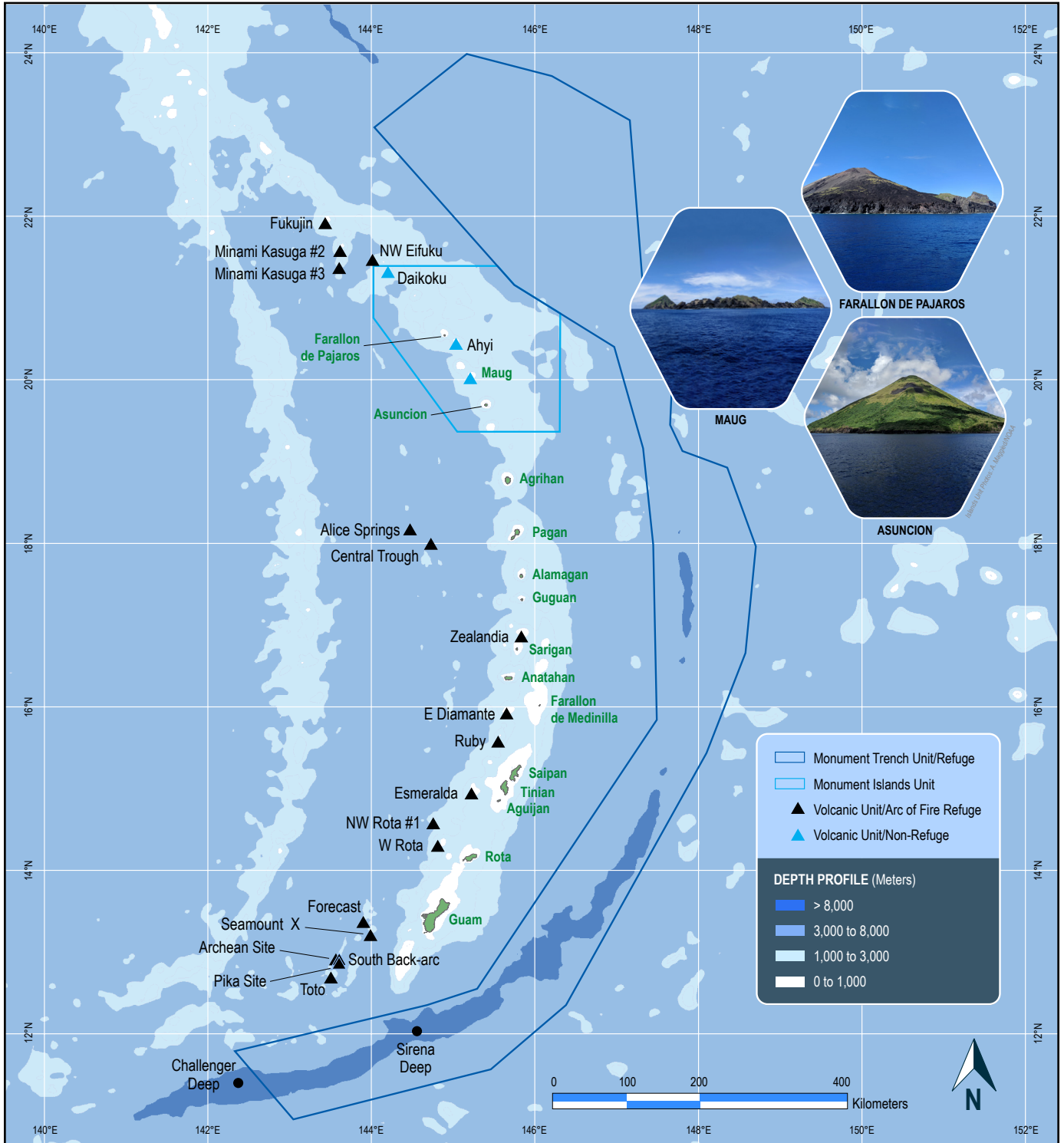
Diving Deeper: Additional Information About Key Topics (Pages 27-50)

NOAA Office of Exploration and Research/National Marine Sanctuary Foundation
<https://oceanexplorer.noaa.gov/oceanos/edu/collection/media/ExploringDeepOceanNOAA.pdf>

20 What are some things you can do to care for & help protect & conserve the Monument?

Explore the resources in this guide and look for additional information or opportunities to develop personal actions that you can take to protect and conserve the Marianas Trench Marine National Monument!

Marianas Trench Marine National Monument



MARIANAS TRENCH Marine National Monument

