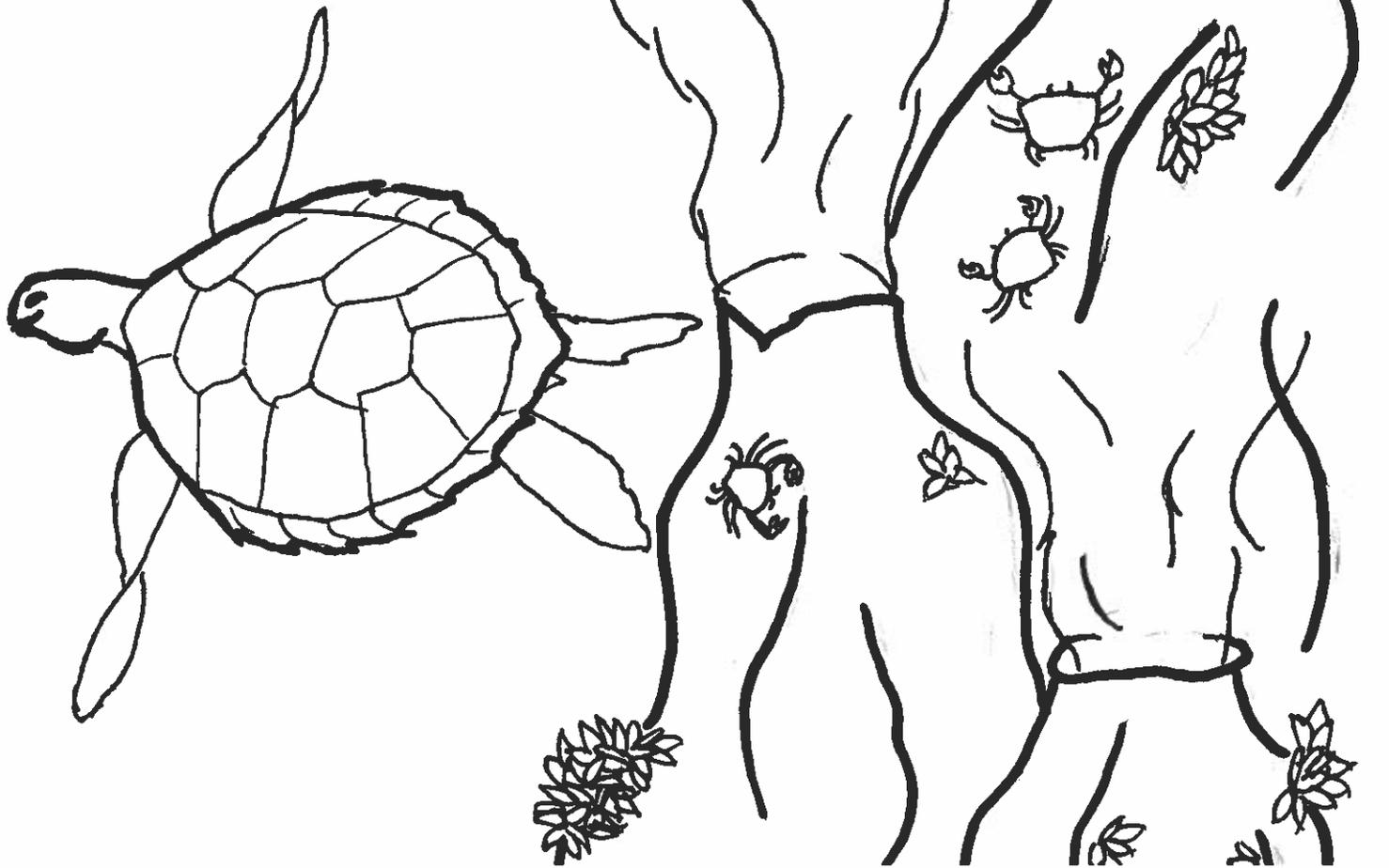
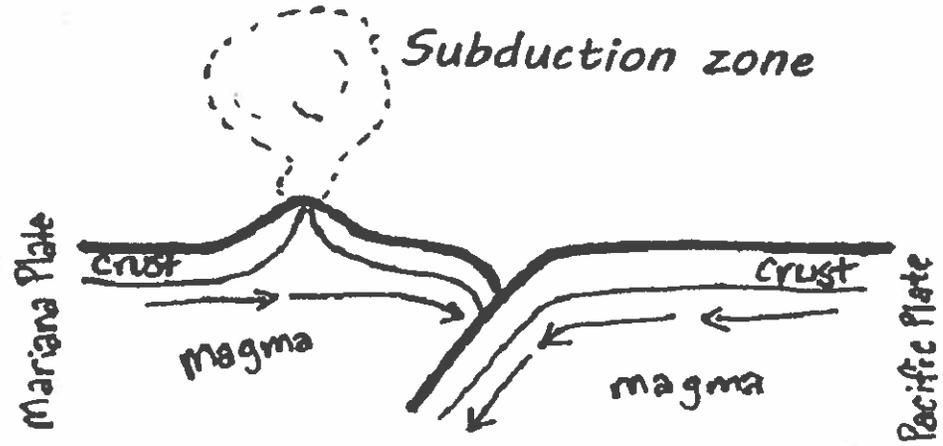


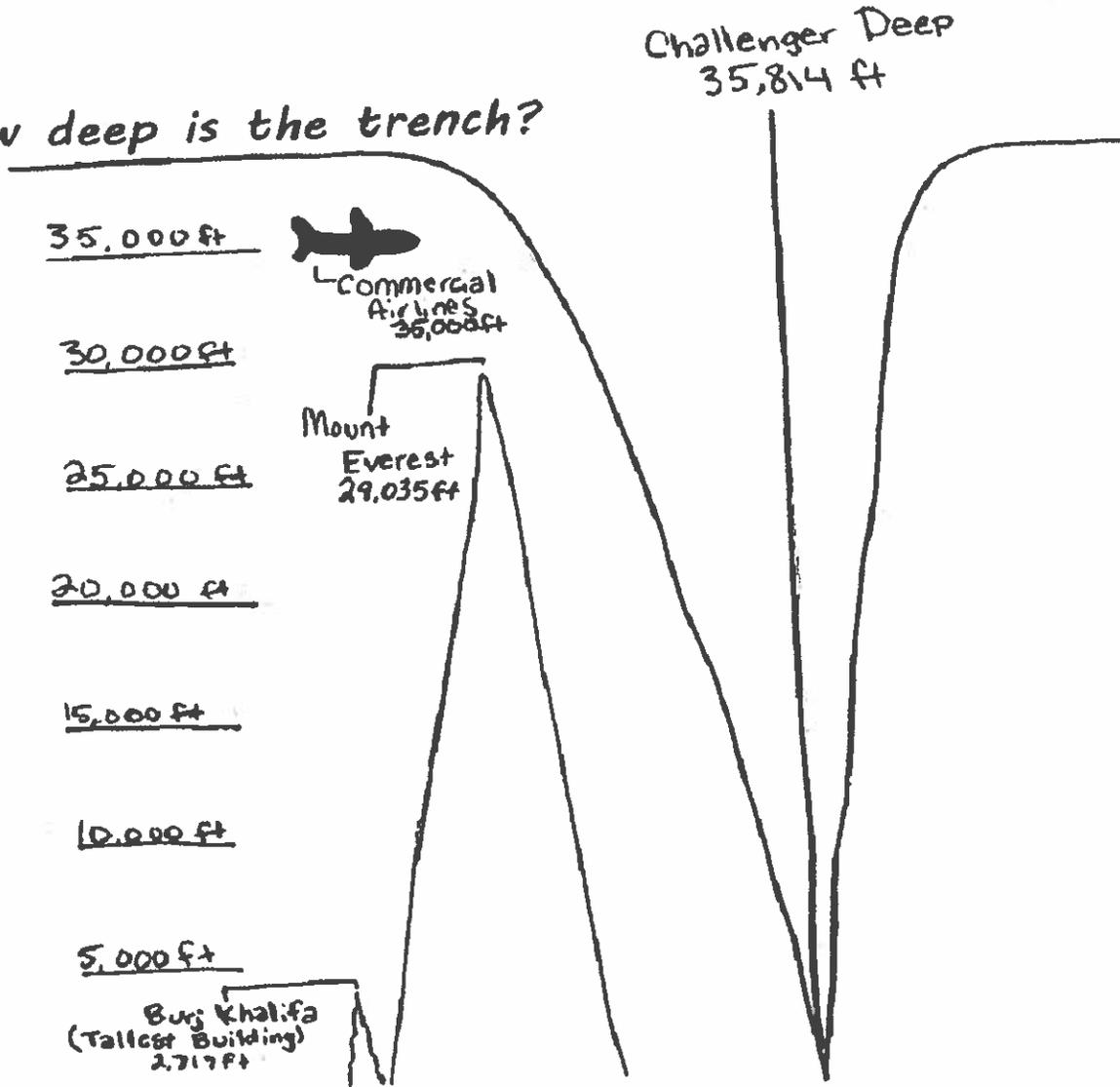
MARIANAS TRENCH



How was the trench formed?



How deep is the trench?



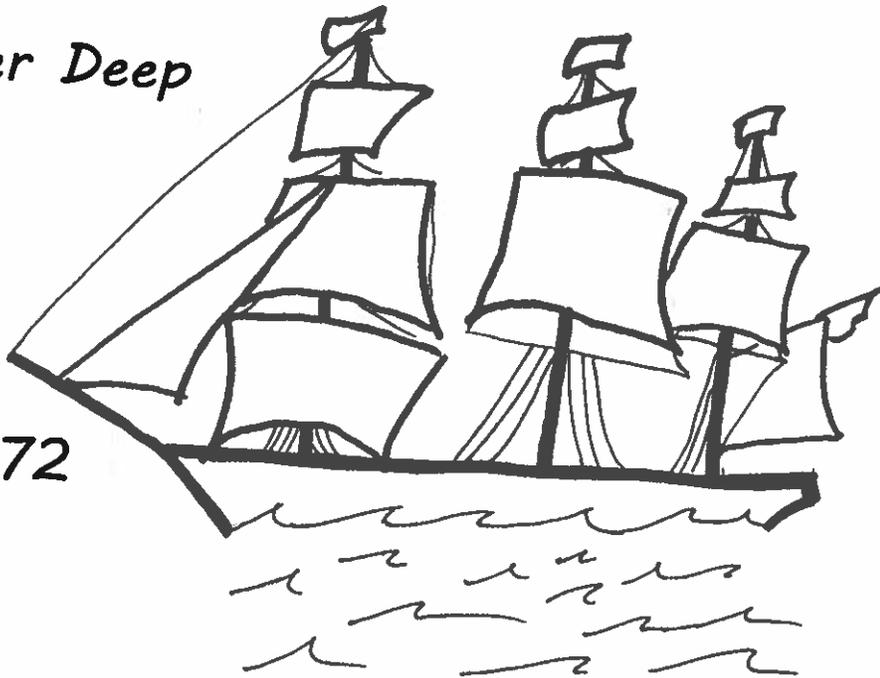
How old is the Marianas Trench?

180 million years old!

History of the Discovery of the Marianas Trench

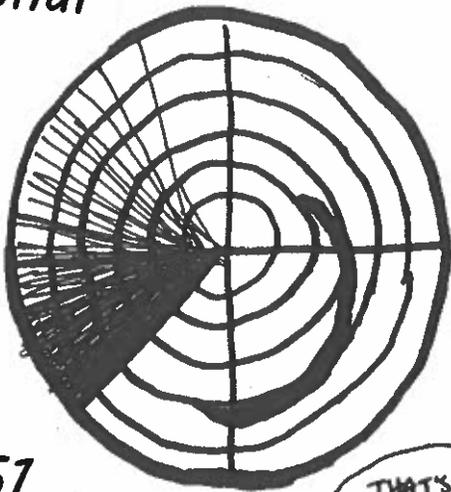
Challenger Deep

1872



Sonar

1951



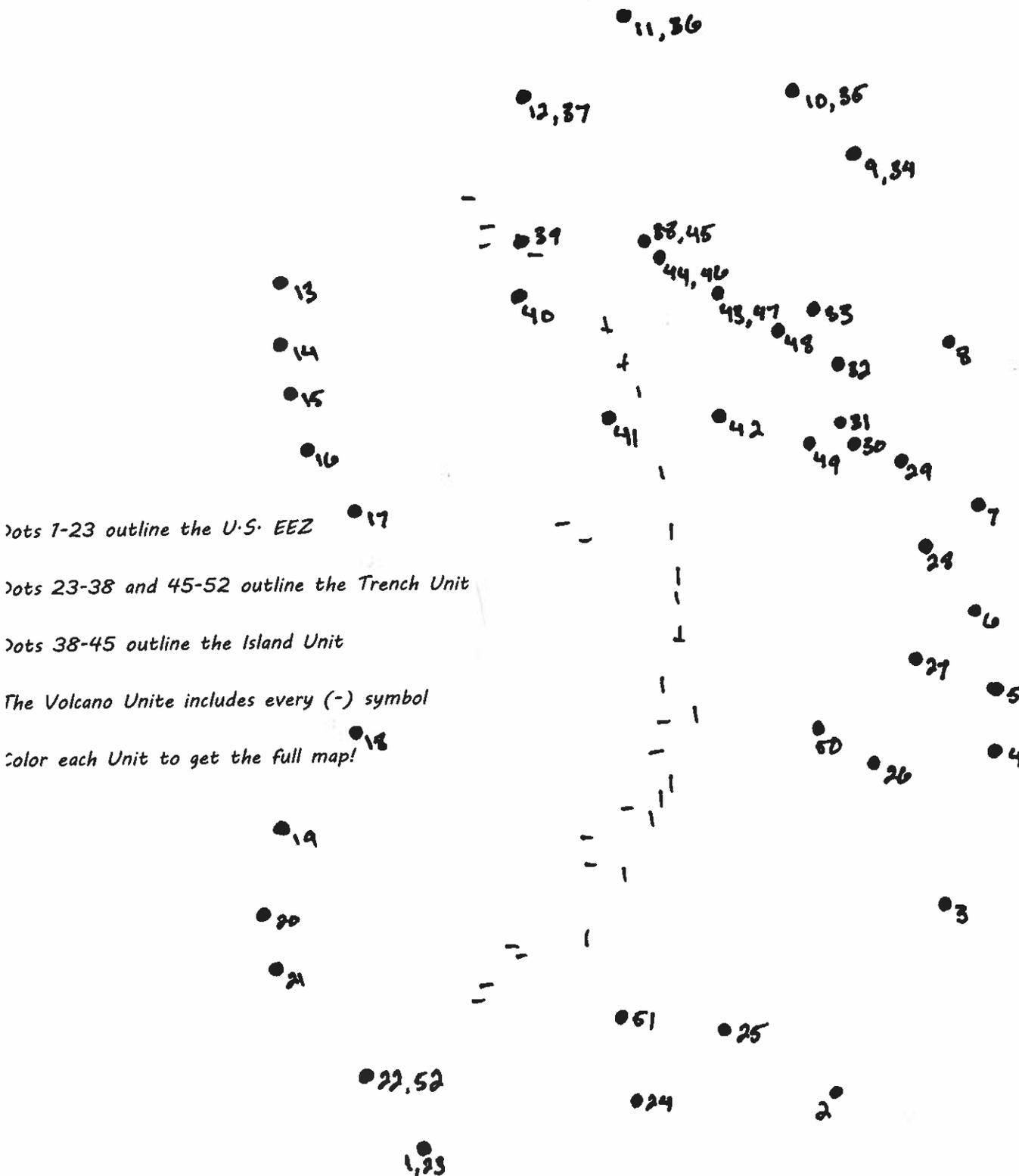
THAT'S THE
MARIANA'S
TRENCH!



HMM... WHAT IS
THAT CRESENT
SHAPED THING ON
THE SEA FLOOR?

Connect the dots for the

Key
 - Volcano
 | Island
 ● Bound ary



Dots 1-23 outline the U.S. EEZ
 Dots 23-38 and 45-52 outline the Trench Unit
 Dots 38-45 outline the Island Unit
 The Volcano Unit includes every (-) symbol
 Color each Unit to get the full map!

Marianas Trench

Marine National Monument!

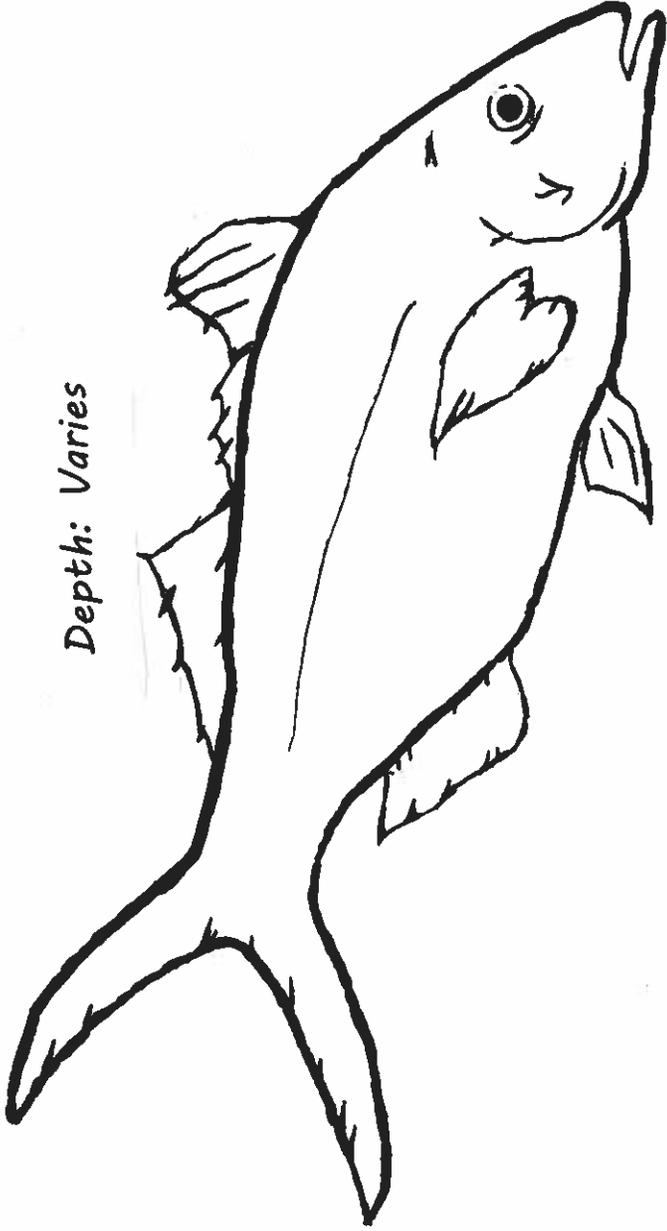
Note:
 only the top
 three(3) island:
 make up the
 Island Unit

The Marianas Trench is the **deepest** trench on the planet. It is home to some incredibly unique environments, such as a underwater pool of **liquid sulfur** instead of water, and the only recorded place with **photosynthetic** (getting their energy from the sun) and **chemosynthetic** (getting their energy for chemicals) communities that live together. The trench and nearby underwater **volcanos** give scientists the opportunity to study these **extreme** environments and the things that live in them. The trench and areas nearby are home to **whales**, **dolphins**, lots of **fish**, **corals**, and **sea turtles**, just to name a few.

L Q E T C Y C B F U P S I R C
S Z A B R O F M K V H Q A H S
P E C Q R U I E V E O K E N O
W H L A I L B S Z T T M B U N
H E L T K E N D V P O R K U A
A S X L R I D I F S S X X C C
L H W T H U M Z Y Z Y D Y Y L
E E N P R E T N L H N I M P O
S A L C O E T A G H T O R Y V
Q O S W J H M O E O H U R N K
D O T Q E E T E S S E I M Y X
N A K T U O H T J D T R I U S
M K I R U F L U S D I U Q I L
D C D E E P E S T X C H S I F
N B N F Q U I E X U Y N Q M L

Red Snapper

Depth: Varies

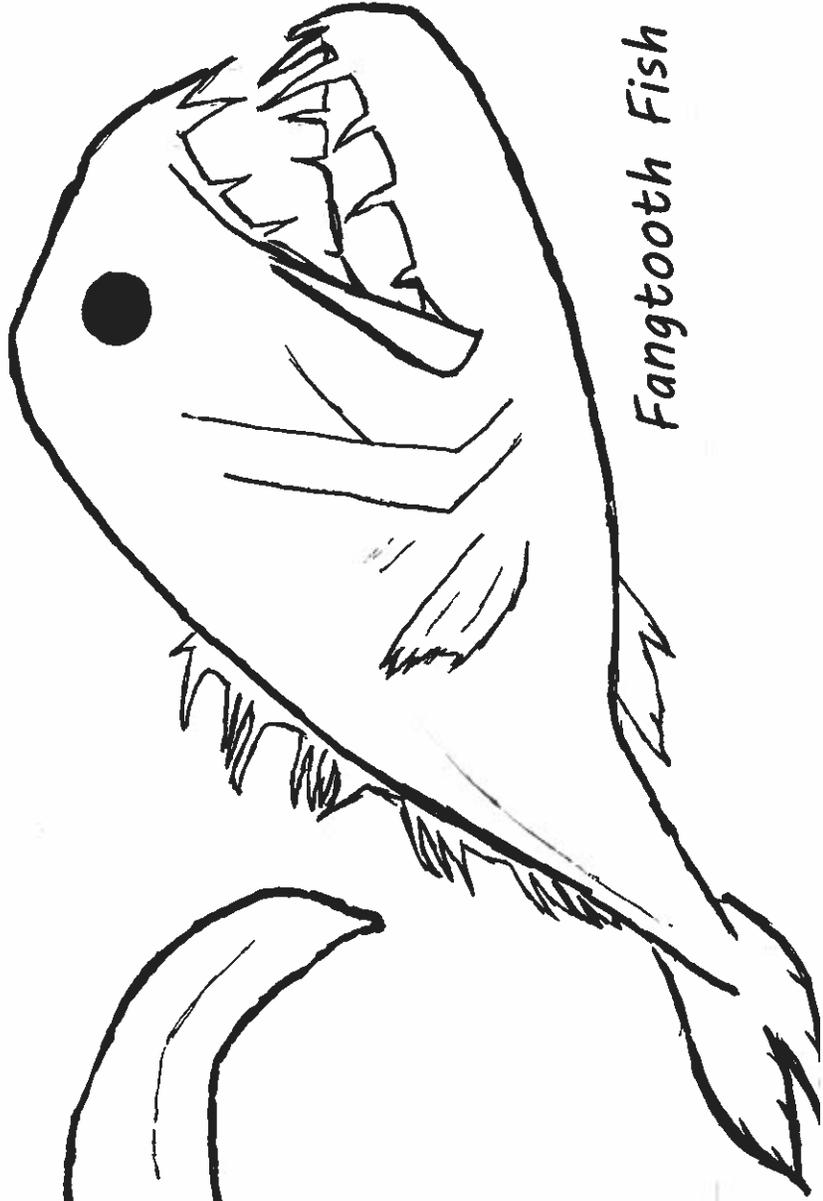


Color some of the fish found
in the Marianas Trench

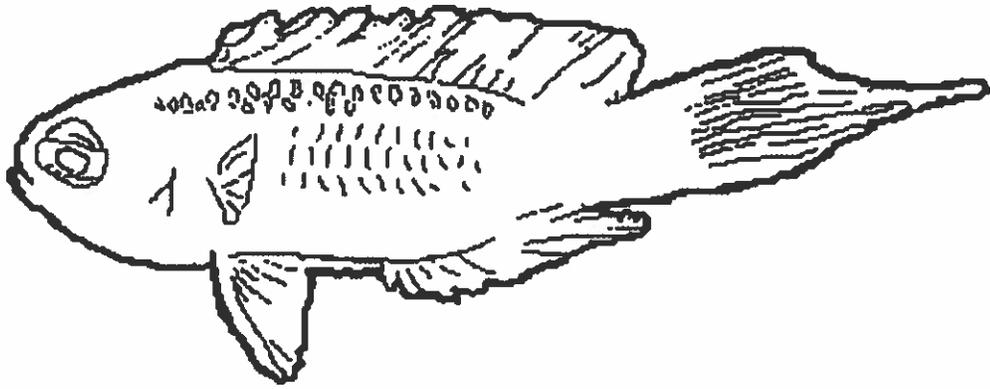
Ghost Fish

Depth: seen at 26715 ft deep

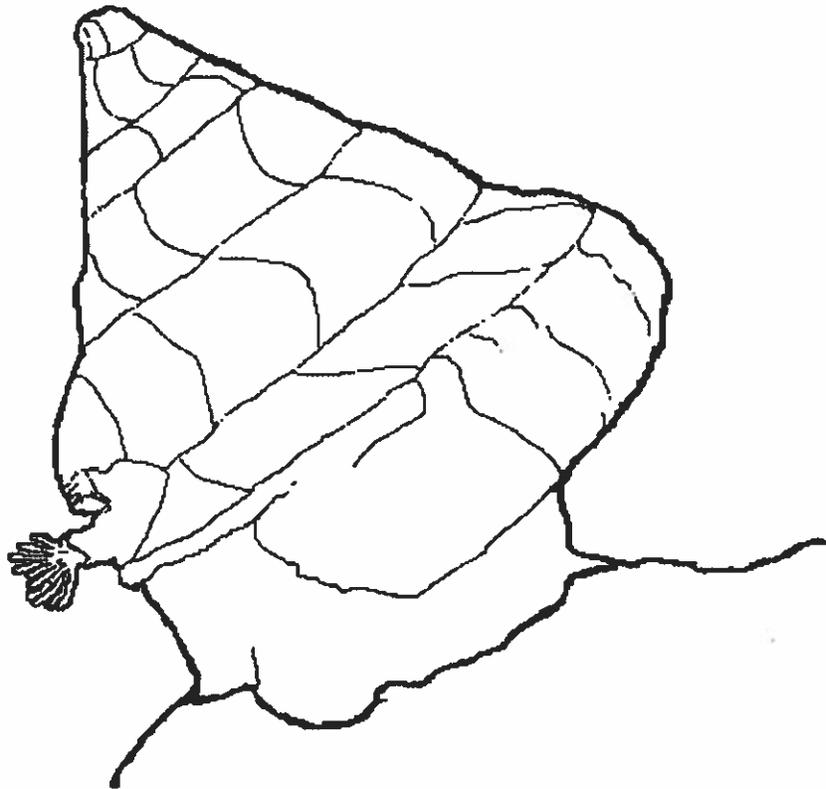
(around 5 miles deep!)



Fangtooth Fish



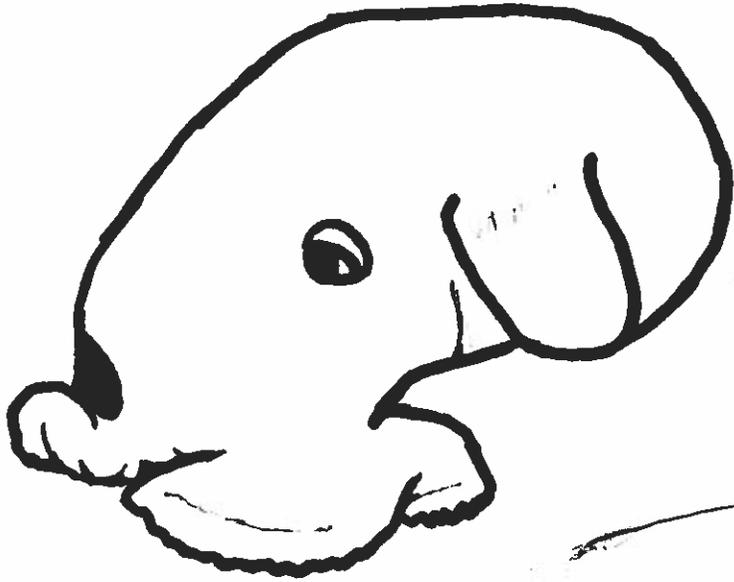
A groppo found at Eifuku Seamount in the Marianas Trench



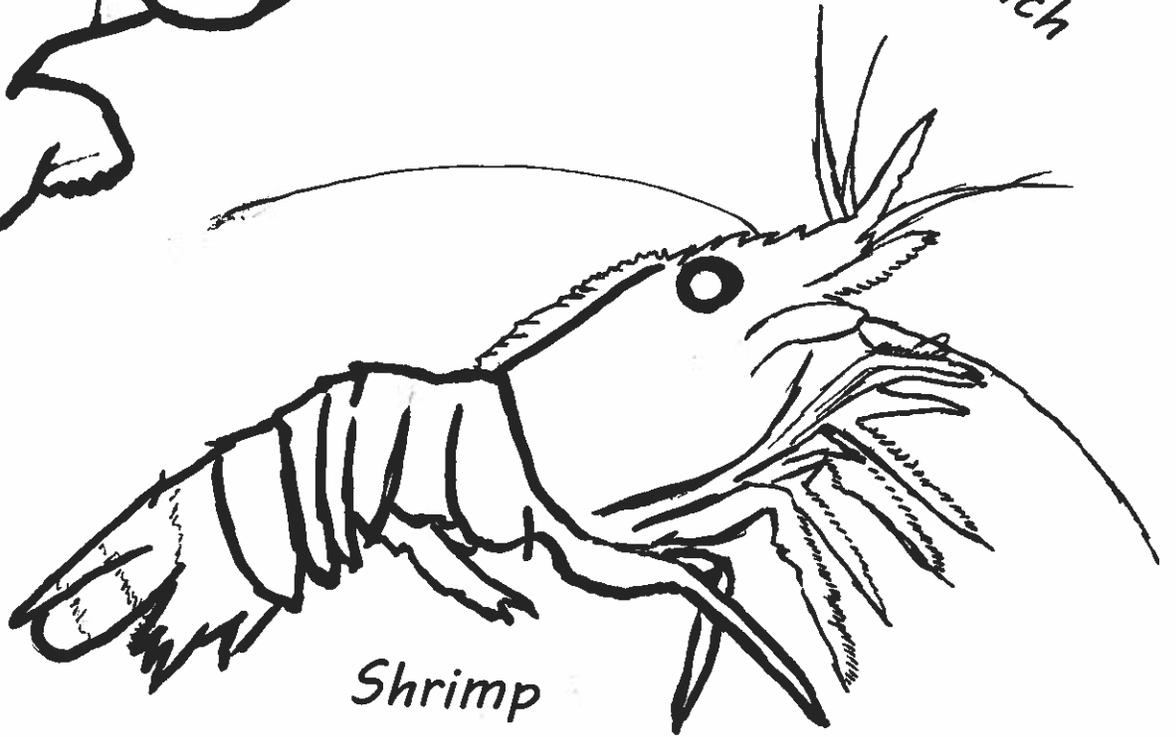
A slit snail (maybe a new species!) found on Pagan

Dumbo Octopus

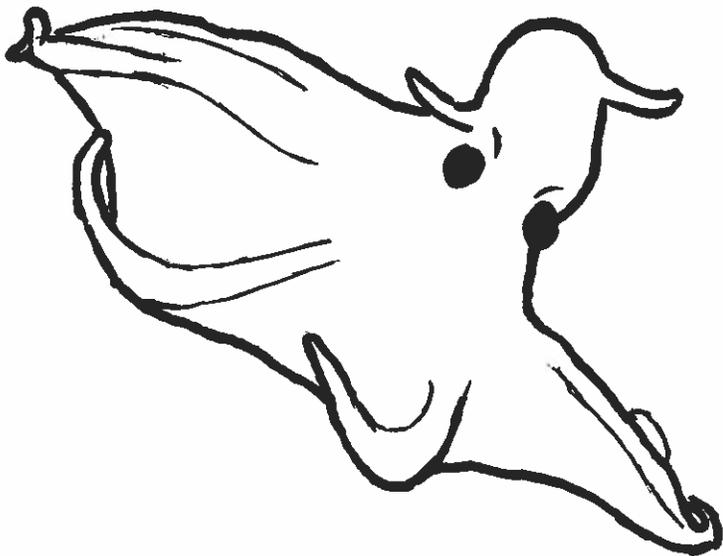
Depth: 900 - 1600 ft



Color some of the invertebrates
found in the Marianas Trench



Shrimp

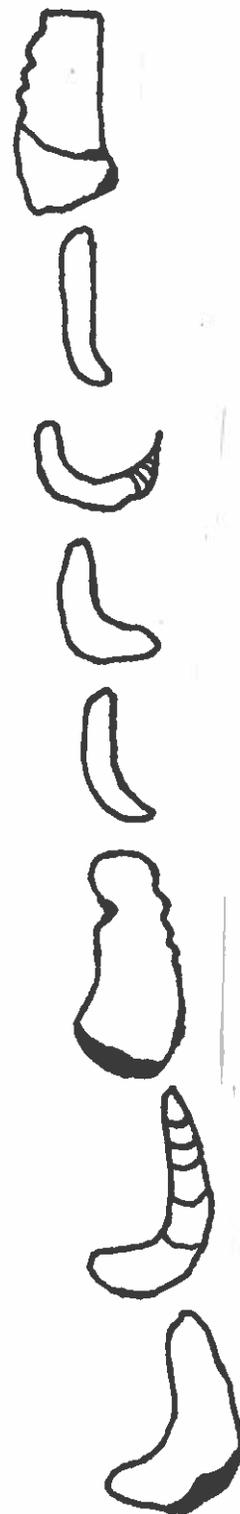


Glowing Sucker Octopus

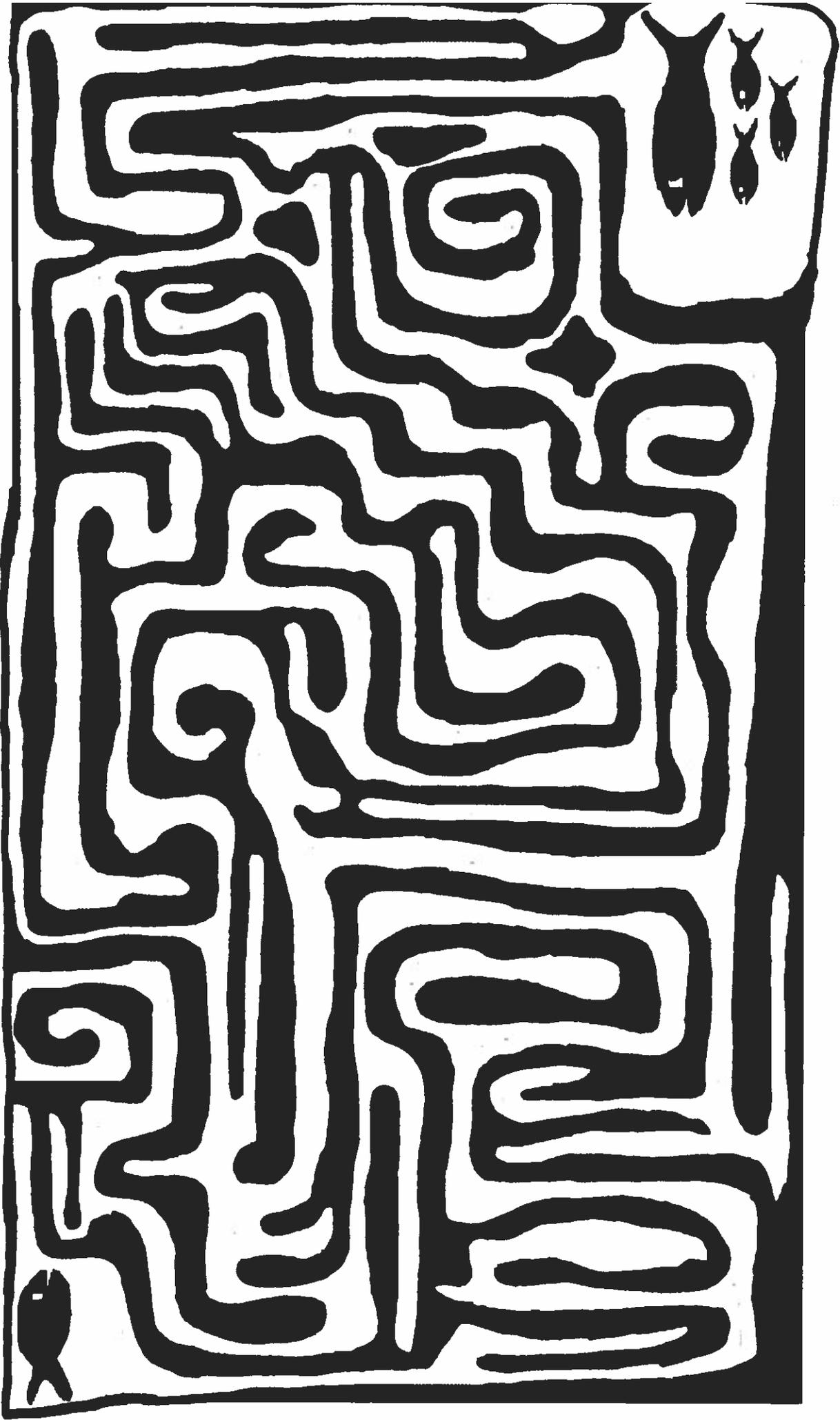
Depth: up to 8200 ft

Traditional Chamorro fishing hooks

Match the hooks!



Help the fish find its way home!



U.S. Fish and Wildlife Service

*Marianas Trench Marine National
Monument*

*Directorate Assistance Resource Fellow
Program*

Created and Illustrated by Abigail Gritis

2018