

Rare 'alien of the deep' goblin shark found in Australia

March 3 2015



A goblin shark with a long flattened snout covered with pores is shown at the Australian Museum, on March 3, 2015

A rare sea creature described as an "alien of the deep" has been found off Australia and delivered to a museum which Tuesday showed off its fleshy snout, nail-like teeth and flabby pink body.

The prehistoric-looking goblin sharks live on deep sea bottoms and little

is known about their lives.

"It's pretty impressive, it's not hideous it's beautiful," said the Australian Museum's fish collection manager Mark McGrouther, who described its teeth as looking like "little daggers".

"They are not caught terribly often. They are not encountered terribly often at all."

McGrouther said this was only the fourth goblin shark to be acquired by the museum in Sydney, with the first two collected in the 1980s.

The latest was picked up by a fisherman in January. It was found near Eden, off Australia's southeast coast, at a depth of about 200 metres (656 feet) and delivered to a local aquarium which kept it in excellent condition for the museum.

McGrouther said he was "thrilled" to handle the shark, which is found in the Pacific, Atlantic and Indian oceans. The species, whose scientific name is "Mitsukurina owstoni", is thought to be a living fossil dating back some 125 million years.

The animal's jaw mechanism, which shoots forward when it detects prey and then retracts under its fleshy, spade-shaped snout, fascinates McGrouther.

"I suspect because it has got soft, flabby musculature, it doesn't need much energy... so it will swim slowly over the bottom just using its snout like a metal detector," he told AFP.



The Australian Museum shows off a goblin shark, a rare sea creature described as an "alien of the deep"

"It will be sweeping over the bottom and when it detects a small fish, or a crab or a squid it will shoot those jaws out 'wham' and capture whatever it is.

"It will spear it with those sharp pointed teeth and then just wolf it down whole."

The latest goblin shark specimen, from which tissue samples have been taken for genetic testing, will be preserved by the museum and made available for research.

© 2015 AFP

Citation: Rare 'alien of the deep' goblin shark found in Australia (2015, March 3) retrieved 3

May 2024 from <https://phys.org/news/2015-03-rare-alien-deep-goblin-shark.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.