

Greek experts find Roman wrecks nearly a mile deep

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Broken ancient pottery from the wreck of a 3rd century AD Roman-era ship found 1.2 kilometers deep off the western coast of Greece is seen in this undated photo issued by Greek Culture Ministry on Tuesday, May 29, 2012. Greece's culture ministry says an undersea survey ahead of the sinking of a Greek-Italian gas pipe has discovered the deepest-known shipwrecks in the Mediterranean. A ministry statement Tuesday said the two Roman-era wrecks found far offshore also disprove the generally accepted theory that ancient shipmasters stuck to coastal waters rather than risking open-sea routes. (AP Photo/Greek Culture Ministry)

(AP) — Two Roman-era shipwrecks have been found in deep water off a western Greek island, challenging the conventional theory that ancient shipmasters stuck to coastal routes rather than risking the open sea, an official said Tuesday.

Greece's culture ministry said the two third-century wrecks were discovered earlier this month during a survey of an area where a Greek-

Italian gas pipeline is to be sunk. They lay between 1.2 and 1.4 kilometers (0.7-0.9 miles) deep in the sea between Corfu and Italy.

That would place them among the deepest known ancient wrecks in the Mediterranean, apart from remains found in 1999 of an older vessel some 3 kilometers (1.8 miles) deep off Cyprus.

Angeliki Simossi, head of Greece's underwater antiquities department, said sunken ancient ships are generally found 30-40 meters (100-130 feet) deep.

Most scholars believe that ancient traders were unwilling to veer far offshore, unlike warships which were unburdened by ballast and cargo.

"There are many Roman shipwrecks, but these are in deep waters. They were not sailing close to the coast," Simossi said.

"The conventional theory was that, as these were small vessels up to 25 meters (80 feet) long, they did not have the capacity to navigate far from the coast, so that if there was a wreck they would be close enough to the coast to save the crew," she said.

U.S. archaeologist Brendan Foley, who was not involved in the project, said a series of ancient wrecks located far from land over the past 15 years has forced experts to reconsider the coast-hugging theory.

"The Ministry of Culture's latest discoveries are crucial hard data showing the actual patterns of ancient seafaring and commerce," said Foley, a deep water archaeology expert at the Woods Hole Oceanographic Institution in Massachusetts.

Jeffrey Royal, director of the Key West, Florida, based RPM Nautical Foundation, said that in many cases — as when winds threatened to push

ships onto rocks — ancient mariners made a conscious effort to avoid coastal waters.

Royal, whose foundation has carried out a series of Mediterranean underwater projects, said the depth of such finds is immaterial from an archaeological standpoint.

"In antiquity ships didn't sail around with depth finders and keep track of how deep they were," he said. "It was more how far they were on the surface in relation to land. After 30 meters of depth the boat's safe, so if it's 30 meters (100 feet) or 3,000 meters it's a little irrelevant."

The remains were located during an investigation that covered 200 square kilometers (77 square miles) of seabed off the islands of Corfu and Paxoi.

A Greek oceanographic vessel using side-scan radar and robot submarines took footage of scattered cargo — storage jars, or amphorae, used to carry foodstuffs and wine — cooking utensils for the crew, anchors, ballast stones and what could be remains of the wooden ships.

The team also raised samples of pottery and a marble vase.

The one ship was carrying the kind of amphorae produced in north Africa, and Simossi said it might have sailed from there and headed for Greece after a stop in Italy.

Foley said deep wrecks are very important because they are almost always more intact than those found in shallow water.

"So they contain far more archaeological and historical information than other sites," he said in an email. "As a result, the deep sea floor of the Mediterranean is the world's greatest repository for information about

the earliest civilizations."

The discovery comes amid Greece's acute financial crisis, which has also taken a toll on funding for archaeology.

Simossi said her department, which monitors a vast area rich in ancient wrecks and sunken settlements, had its staff reduced by half because of non-renewed contracts and retirees who were not replaced.

"There were 89 of us and there are 45 left," she said. "We are fighting tooth and claw to keep afloat."

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