

# Decipher the mysterious success of the mysterious blue aquamarine river with 1-0-2 in the world

Only a 14-kilometer stretch of the Río Celeste is blue, then it is as transparent as other rivers.

The mystery of the "unique" turquoise of the Río Celeste river in Costa Rica was finally deciphered, which turned out to be all created by visual illusions.

1. Successfully decipher the bottomless waterfall mystery "devour" everything in America
2. Why do rivers never flow in a straight line but like to twist?



The fanciful turquoise of the Río Celeste has been a mystery for years.

The Río Celeste River with its mystical emerald green color is an extremely precious natural jewel that attracts many tourists from the Central American country of Costa Rica. In particular, only a 14-kilometer stretch of the Río Celeste is blue, then it is as transparent as the other rivers. Therefore, the colored river section is also called 'The River of Dye' (El Teñidero). Its color is especially different from the natural colors of other rivers, making it a mysterious place, challenging the scientific world.

As a result, the Río Celeste river has a special turquoise color, many hypotheses have been proposed.

It is said that the color of the river created by it contains chemicals such as calcium carbonate and sulfur.



Another idea is that the Río Celeste river is located near the volcano Tenorio (both volcanic and this river is in the Tenorio Volcanic National Park of Costa Rica) so it has such a special color.

It is said that the special blue of the river is caused by a large amount of copper. However, the river water chemistry tests showed that there was no copper in the water of the Río Celeste.

## **Decipher the secret of the mysterious turquoise river**

In August 2013, scientists from Costa Rica University and Costa Rica National University deciphered the turquoise secret of Río Celeste: There were no chemical reactions in the river, all is created by FANTASY IMAGE.

When collecting the turquoise water samples in the Río Celeste river, the scientists were surprised to find that, when they returned to the laboratory, the samples of the river suddenly became strangely transparent.

The researchers began to pay attention to the geographical position of the Río Celeste river. The Río Celeste river is made up of two transparent water colors, Buenavista and Sour Creek. At the confluence of the river (where the two rivers meet), the water here begins to appear strange beautiful turquoise blue, stretching for 14km, then it has a transparent color.



Scientists began to think of the illusion hypothesis. They conducted research and found that in the 14 km long river bed covered with aluminosilicates made of aluminum, silicon and oxygen, minerals have the ability to absorb all colors (except blue ) from sunlight.

And the beautiful turquoise color that the eyes see is just a visual illusion created by the scattering of sunlight and the reflection in the riverbed!

Continuing to analyze water samples at the two branches of Buenavista and Sour Creek, the scientists found that the minerals of the two rivers combined to form aluminosilicates, causing the Río Celeste river to have excellent color. so beautiful.



Scientists also said that water in the river does not have any ingredients that are harmful to human health.

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