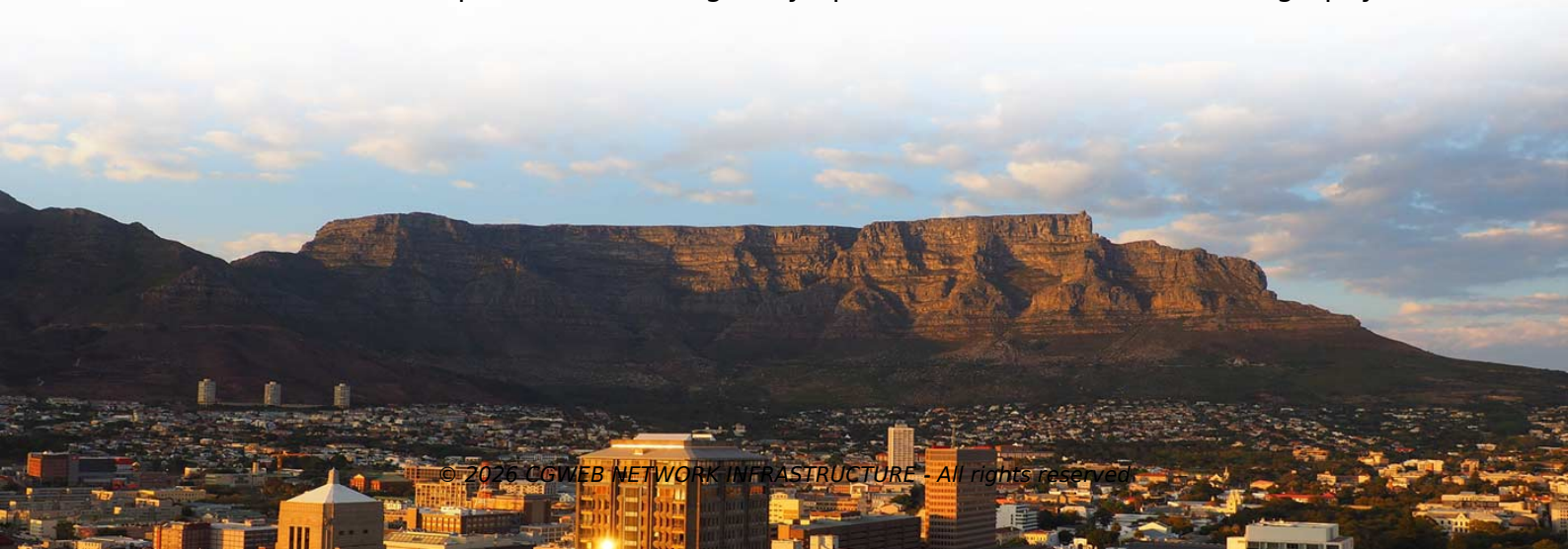


Earthquake Causes International Optical Cable Outage



Overview

Earthquake triggered submarine landslides near junction of 2 tectonic plates. Landslides caused turbidity current that flowed over 330 km & broke 9 cables in sequence. They play a crucial role in connecting different regions and continents, enabling the seamless flow of internet and communication traffic by providing high-speed and reliable connections between. Events over the last eighteen months indicate that the risk environment for submarine cables has very likely escalated, and the threat of state-sponsored malicious activity targeting submarine cable infrastructure is likely to rise further amid heightened geopolitical tensions. Insikt Group's. On Saturday (September 6, 2025) multiple undersea submarine cables in the Red Sea had been severed, causing widespread internet disruptions across parts of Asia, the Middle East, and Africa. The incident serves as a stark reminder: the link that serves as global digital arteries is vulnerable. The "Fibre Optic Cable Use for Seafloor" project (FOCUS) has demonstrated how we can use existing fibre-optic cables to detect small movements on the seafloor caused by tectonic faults. Our aim is to improve understanding of fault activity, and therefore of possible earthquakes. Once again, we unfortunately saw a number of government-directed shutdowns, including exam-related shutdowns in Sudan, Syria, and Iraq. Cable cuts. The Submarine Cable Map is a free and regularly updated resource from TeleGeography.



Article Content

Presentation

This presentation will cover the incidents cable operators face with a focus on outages caused by natural disasters which represent less than 10% of the total Submarine Cable faults but with devastating

Submarine Cable Earthquake Risk: Why the Internet's Undersea

But the truth is a little more surprising. Most of the world's international data does not travel through satellites. It moves through long, physical fiber-optic cables lying quietly on the ocean floor.

Submarine Cable Security at Risk Amid Geopolitical Tensions & ...

Explore the rising threats to global submarine cable networks amid escalating geopolitical tensions, sabotage incidents, and limited repair capacity. Discover essential resilience strategies and

Red Sea cable chaos: Why the Internet didn't go dark

On Saturday (September 6, 2025) multiple undersea submarine cables in the Red Sea had been severed, causing widespread internet disruptions across parts of Asia, the Middle East, and Africa.

How 1.5 million km of undersea internet cables can double up as an ...

The most likely cause of the cable disturbance was a submarine landslide, akin to an avalanche of sediment at the bottom of the sea.

Online outages: Q3 2025 Internet disruption summary

In Q3 2025, global Internet disruptions were caused by everything from government shutdowns to stray bullets and earthquakes. This report analyzes the traffic data behind these

Submarine Cable Map

The Submarine Cable Map is a free and regularly updated resource from TeleGeography. TeleGeography's comprehensive and regularly updated interactive map of the world's major

The diversity, frequency and severity of natural hazard impacts on ...

Subsea cables underpin global communications, carrying more than 99 % of all digital data traffic worldwide. While this >1.6 million km-long network has been designed to be highly

Ruptures at the Top of the World

Regardless of the incidents' causes, recurring Arctic fibre optic cable damage can disrupt high-bandwidth communications in the high north and cause transmission delays for time-sensitive Earth

Cloudflare Q3 2025 Report: Global Internet Outages from Disasters

Cloudflare's Q3 2025 Internet Disruptions Report reveals global outages caused by natural disasters like earthquakes, government blackouts in unstable regions, cable damage from accidents or sabotage,

2008 submarine cable disruption

The 2008 submarine cable disruption refers to three separate incidents of major damage to submarine optical communication cables around the world. The first incident caused damage involving up to five

Why the Japan Earthquake Didn't Take Down the Country's Internet

The fiber optic network of undersea cables that connect Japan to the rest of the world was damaged when the earthquake struck beneath the Pacific seafloor, about 200 kilometers from

Cable cuts, storms, and DNS: a look at Internet disruptions in Q4 2025

In 2025, we observed over 180 Internet disruptions spurred by a variety of causes – some were brief and partial, while others were complete outages lasting for days. In the fourth quarter, we

A diversity of downtime: the Q4 2024 Internet disruption summary

After a rather busy third quarter, the fourth quarter of 2024 saw significantly fewer Internet disruptions. This quarter, notable outages were caused by cable cuts, power outages, natural

Sub-Sea Cable Outages In Red Sea Affecting Connectivity In India

Sub-sea cable outages in the Red Sea have affected internet connectivity in India, among a host of other nations around the globe.

Red Sea cables cut, disrupting internet access in Asia and the ...

NetBlocks, which monitors internet access, said "a series of subsea cable outages in the Red Sea has degraded internet connectivity in multiple countries," which it said included India and

Undersea cable failure snarls internet traffic across multiple countries

The digital world depends heavily on undersea cables to transmit vast amounts of data every second. Recent events have highlighted this dependence, as a significant undersea cable

Google Unveils the Using of Subsea Cables to Detect Earthquakes

According to Google news, Google detected earthquakes by using changes in the state of polarization (SOP) produced by optical pulse signals transmitted on the submarine optical fiber. The

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