

Coral Reef is Increasingly Endangered All over the World

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Abstract

Coral reefs across the globe are gradually decreasing. Coral today is really helpless in climate change and human activities. The valuable resource of the sea is endangered today.

Keywords

Heritage, Photosynthesis, Accumulation, Bleaching, Sediments

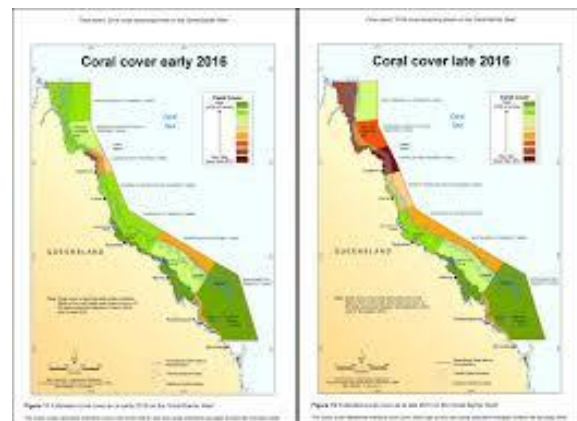
I. INTRODUCTION

Coral reef is one of the outstanding resources of the sea. It develops in the ocean of tropical regions. The present existence of this coral is going to be endangered for various reasons. The number of these corals decreasing in almost all the oceans on earth. According to UNESCO, Coral reef can be killed at the end of the century at the 29 containing world heritage. A study published in Nature communications, most of the corals die in the present era for the combination of multiple local stressors and global warming. In 1914, a large number of reef suffered by bleaching in tropical region. About 25-35% Coral is dying now in great barrier reef. The world's worst bleaching starts in 2014, and ends in 2017. Scientists first noticed the global coral bleaching in mid 2014. When bleaching begins in western pacific ocean. Near about 19% coral reef area is almost completely over, according to a world wide study, in 2008.

The number of coral reefs has decreased for a variety of reasons. NOAA scientists say that pollution, overfishing and climate change are the most fears of coral reef.

A. Sea level rise

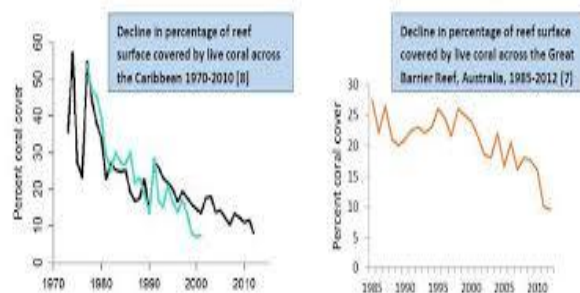
The temperature is increasing in the present age. As a result, there is a significant problem in the growth of ice melon and sea mesh. That's why coral reef is the fastest growing and growing. But the existence of the maritime marine hybrids is causing a serious crisis. An information published in Nature, that more than half of the coral reefs are not accelerating in the Caribbean sea and the Indian Ocean.



Source- <https://goo.gl/images/1Mzc5H>

B. El Nino

El Nino is a kind of hot wave that can be seen in the pacific ocean. This is one of the reasons for climate change. Scientists believe that coral bleaching occurs due to the increase in seawater temperature. Mass bleaching started in 1982 El Nino. The first global bleaching took place in 1998 El Nino. This resulted in the heat wave of Palau and Micronesia in Pacific Ocean. 1997-1998 El Nino affected on coral dangerously. About 16% of coral in earth died. Maldives lost their 90% coral reef coverage.



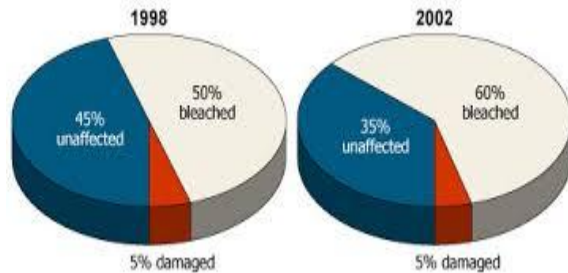
Source- <https://goo.gl/images/iPcFSQ>

C. Marine pollution

Reduce the bio system of the coral reef from the industrial factory to regular toxic oils, waste etc. Millions of metric tons plastic enter sea water every year. Plastics are stored in stacks. There were various diseases of coral reefs in the life of coral reef. Due to plastics, the level of the disease increased from 4% to 89%. The oil comes out from the ship and it damages the tissue of coral reef.

D. Sedimentation

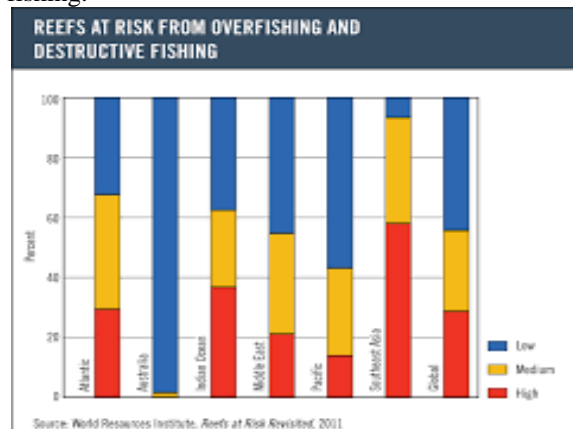
Plenty of sand are deposited from the field of settlements, coastal development, agricultural land etc. Terrigenous sediments are deposited from the land to sea. This damage coral reef's health badly. Most of the coral died in Caribbean sea. It's very difficult for coral reef doing photosynthesis due to its accumulation of stove. This environment is very uncomfortable for the coral reef. Their health deteriorates. The sunlight could not come properly It does not get proper nutrition and does not grow properly.



Source- <https://goo.gl/images/xqhoMF>

E. Overfishing

Over fishing is dangerous due to coral reef. Coral is being destroyed due to the over demand of fish, use of advanced technology etc. About 55% of coral afraid from overfishing. About 95% corals have been damaged in south east Asia. Overfishing damaged coral ecosystems. Coral cannot born in that area. Coral is being spoiled in Caribbean for a wide range of overfishing. Some fishing nets, fishing gear, gill net destroy coral ecosystem totally. South-east Asian countries specially Indonesia and Philippines catch more fishes in the process of dynamite or blast fishing.



Source- <https://goo.gl/images/C5nqze>

F. Tourism industry

One of the main reasons for the decline in coral is to increase the tourism industry. In coastal areas. Uncontrolled use of buildings hotels, resorts, boat etc causes the losses of corals life. In the coastal areas of the hotels, the resort, there are plenty of contaminated substances deposited in the sea. In the form of artificial formation of beach in coastal areas, it is a cause of great difficulty for coral. They die, do not grow properly. Cruises and tom boats destroy the physical condition of the coral's health.

G. Human activities

Coral reef is damaged due to the development of renovation of the coastal area.

In the present era, there is danger of other marine creatures for corals. Damselfish killed head corals in Caribbean sea. Damselfish destroy the coral communities.

Conclusion- So, we can say that not just natural reasons, human activities are also responsible for that. Coral reef is a unique wealth of sea. Many people in the world are dependent on coral. So, it is necessary to save this ecosystem. Otherwise, the valuable resources of the sea will end soon.

REFERENCES

- [1] Human activity blamed for decline of coral reefs. James Randerson Wed 9 Jan 2008 5.14 EST
- [2] How does Tourism Affect coral Reefs? Written By-GREENTUMBLE EDITORIAL TEAM. October 30, 2015
- [3] Plastic Pollution is "Killing Corals" by increasing risk of disease in reefs, say scientists.- Josh Gabbatiss Science correspondent Thursday 25 January 2018 20:00
- [4] Plastic trash is the latest threat to coral reefs – Ben Coxworth January 27th, 2018.
- [5] ELNino would be a disaster for the world's coral reefs – Johnny Langenheim Thu 5 June 2014 13:25 EDT
- [6] World's coral reefs under siege from ElNino Cycles, global warming : study – By PTI [Melbourne] Published on : January 5, 2018 8:53:06 pm.
- [7] IN Hot Water : global warming Takes a Toll on Coral Reefs – Charles W. Schmidt.
- [8] ^ ab Wilkinson, Clive (2008) status of Coral Reefs of the World : Executive summary [Global Coral Reef Monitoring Network.
- [9] ^ " Reefs at Risk Revisited" [(PDF) World Resources Institute . February 2011. Retrived 16 March 2012
- [10] ^ abc Kleypas, Joan A : Feely, Richard A : Fabry, Victoria J : Langdon, Chris; Sabine, Christopher L ; Robbins, Lisa L. (June 2006). " Impacts of Ocean Acidification on coral Reefs and other Marine calcifiers : A Guide for Future Research" [(PDF) Retrived 1 February 2011.