

Half of all wetlands destroyed since 1900, report says

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A wetland forest at the Danau Sentarum National Park on Indonesian Borneo island. An alarming 50% of the world's wetlands have been destroyed in the last 100 years, threatening human welfare at a time of increasing water scarcity, a new report said.

An alarming 50 percent of the world's wetlands have been destroyed in the last 100 years, threatening human welfare at a time of increasing water scarcity, a new report said.

Wetlands serve as a source of drinking water and provide protection against floods and storms, yet they have been decimated to make space for housing, factories and farms or damaged by unsustainable [water use](#) and pollution.

"In just over 100 years we have managed to destroy 50 percent of the world's wetlands," said Achim Steiner, executive director of the United Nations Environment Programme.

"It is a startling figure," he said at a UN conference in Hyderabad.

The report, compiled by an ongoing research project entitled TEEB, or The Economics of Ecosystems and Biodiversity, said coastal wetland losses in some regions, including Asia, have been happening at a rate of 1.6 percent per year.


Price tag on wetlands

Wetlands in the United States alone provide \$23 billion worth a year of storm protection, says a study by The Economics of Ecosystems and Biodiversity (TEEB)

TEEB report on monetary value of wetland types

Coral reefs	Coastal systems	Inland wetlands	Mangroves & tidal marshes	Rivers and lakes
Value range*				
\$14 - 1,195,478	\$248 - 79,580	\$981 - 44,597	\$1,995 - 215,349	\$1,779 - 13,487
Key assets				
tourism, fish nurseries, buffer against extremes	fish and other food, recreation, nutrient cycling	natural water reservoirs, waste treatment	biodiversity, raw materials, buffer against extremes	irrigation, water supply, tourism, waste treatment

**Dollars per hectare per year, top end for prime locations*



Protected coastal wetland, Hong Kong

Source: TEEB/New Scientist

Graphic showing monetary values assigned to different types of wetland ecosystems by The Economics of Ecosystem and Biodiversity. Fifty percent of the world's wetlands have been destroyed in the last 100 years, a new report said.

"Taking mangroves as an example, 20 per cent (3.6 million hectares) of total coverage has been lost since 1980, with recent rates of loss of up to one percent per year," said the report released Tuesday.

"We need wetlands because our existence, our food and our water is at stake," said Ritesh Kumar of the [environmental group](#) Wetlands International.

Wetlands are known to cover about 13 million square kilometres (five million square miles) of the Earth's surface, and are a natural sink for Earth-warming [carbon dioxide](#), act as fish nurseries and are important tourist attractions.

In the United States alone, wetlands are estimated to provide \$23 billion worth of storm protection every year, the report said.

The report was released at a conference of the UN Convention on [Biodiversity](#), where environment ministers will hold three days of talks from Wednesday to try and raise funds to stop the decline of Earth's natural resources.

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