## lisease 6 .

edented rate. The Caribbean region has been widely studied, with many examples of localized reef health in general is declining at an unpreccoral reefs worldwide. Many scientists believe that many Caribbean islands. It is imperative to uning communities and an attraction for tourism to reef deterioration. Beautiful, thriving coral reefs base of knowledge here in Dominica. to ensure the longevity of reefs by expanding our derstand the threats imposed on coral reefs and are a symbol of pride, a source of revenue for fish-There is a growing concern about the status of

many scientists believe that there is a connection. It is likely that the run-off of uring the situation by either weakening the corals' iment increase in disease den-sity at certain locations, but of killing coral tissue at rates of up to 2 cm per day. This coral diseases, which have been gaining a great deal of attention in the Caribbean, ban and agricultural pollut-ants from the mainland onto in contributing to the apparwhat role humans may play months. It is not yet known time frame of weeks to dividual coral colonies in a can lead to the death of inare caused by bacterial diseases identified thus far Pacific region during the last 10 years. Most of the coral ing the growth of pathogenic mune system or by promot the reets may be exacerbatpathogens that are capable the Red Sea and the Indo-Threats to corals include

This year 2002 marks the

reefs of Dominica, which in-clude Black Band Disease, White Plague, Dark Spots Disease and Bleaching. A total of 14 coral species project directed by Jill Borger, from the University of Miami, USA, who is also ogy (ITME) in Dominica. With the assistance of Dr. a staff scientist at the Insti-tute for Tropical Marine Ecolcoast. Dr. Borger has idenalong neously documenting coral tissue mortality by species over time, while simultaon the distribution and Sacha Steiner, director of ITME this study has focused tified 4 coral diseases on the change of coral diseases coral disease monitoring third consecutive year of a Dominica's west

of species and causing the highest amount of coral tishave been affected by these diseases, with White Plague pacted by coral diseases in sue mortality. infecting the largest number species that are most The three

and thereby contribute loss may be damaging to the overall structure of various greatly to the general framework of coral reefs. So, their annularis. faveolata, and Montastraea Dominica are Siderastrea siderea, Montastraea These corals

reefs. The surveys also revealed that some species temperatures that facilitate due to the warmer water during the summer months, ease prevalence is highest reported as affected in other Caribbean locations. Disminica have not yet been affected by disease in Do-

eases in Dominica is comtive sign is that the overall number of diseased corals in the Florida Keys). parable to other areas of the Caribbean (e.g. U.S. Virgin Islands, Puerto Rico, and The density of coral dis-A posi-

the faster growth of the bac-terial pathogens.

ful marine resources. agement and conservation critical to a successful mana great deal to learn and inof Dominica's many wonderformation on coral health is 2001. However, there is still Dominica did not increase between the years 2000-