CENTRO ECOLOGICO AKUMAL



Investigation

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Culture









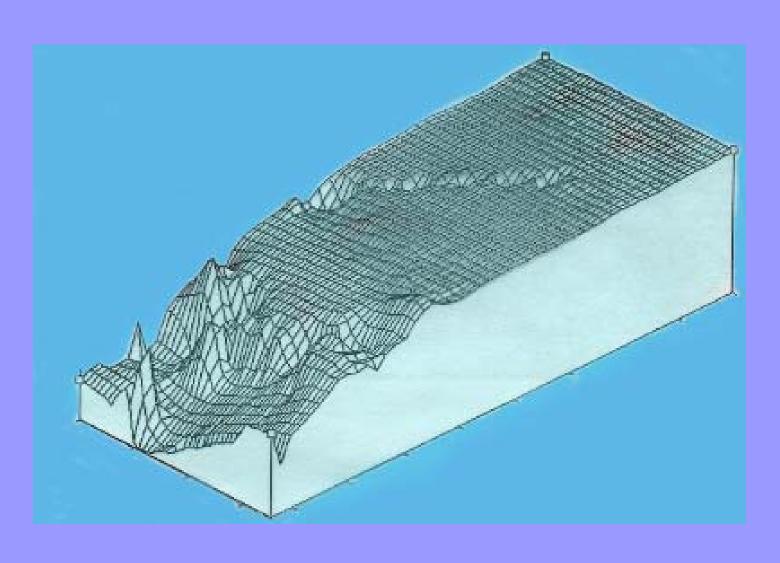
Research Programs Water Quality Monitoring Program



Research Programs Water Quality Monitoring Program



Research Programs Offshore Mapping Project



Research Programs Turtle Watch Program





Research Programs Coral Reef Research and Monitoring Program



Research Programs Survey of scientific literature

43 / No. RR-6

MANAGE

Addressing Emerging Infectious Disease Threats: A Prevention Strategy for the United States Executive Summary

rounty, knowledge, and organization after but cannot cancel humanity's vulnerability to breas by personnic forms of hits infectious disease which anisotened the emergence of humanitud last as long as humanity inself, and will surely remain, as if has been hitherty, one of the samental parameters and determinants of human history.

- William H. McNell in Plagues and Peoples, 1976.

Summery

The spectrum of infectious disease is changing rapidly in conjunction with tematic societal and environmental changes. Worldwide, explosive population rowth with expanding poverty and urban migration is occurring international evel and commerce are increasing; and technology is rapidly changing—all of shich affect the risk of exposure to infectious agents.

Recent examples of important emerging infectious diseases include proinged diarrheal illness due to waterborne Cryptosporidium, hemorrhagic collitis not renal failure from foodborne Escherichia coli 0157:F/7, pneumonie and adde-ear infections caused by drug-resistant pneumococci, and redentborne entavirus pulmonary syndrome. These diseases as well as resurgent diseases t.g. tuberculosis and choleral illustrate human vulnerability to microorganisms if the environment. Three recent reports by the institute of Madicine document to need to address emerging infectious disease threats.

In partnership with representatives from health departments, other federal pencies, medical and public health professional associations, and international reanizations, CDC has developed a strategic plan to address emerging infectors disease threats. The plan contains four goals that emphasize surveillance, splied research, prevention and control, and public health infrastructural are sustainability, plan implementation will be approached in stages, as a nightern endeavor with emphasis on extramural programs. As health care resem proceeds, priority should be given to strengthening partnerships between talth-care providers, microbiologists, and public health professionals to detect ad control emerging infectious diseases.

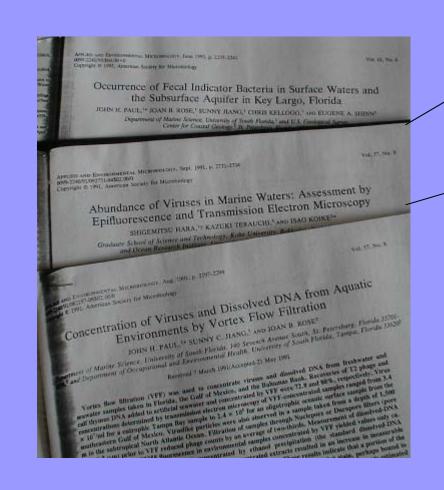
RODUCTION

nce expected to be eliminated as a public health problem, infectious diseases re-

Addressing Emerging
Infectious Disease Threats

The spectrum of infectious diseases is changing rapidly with dramatic social and environmental changes.

Research Programs Survey of scientific literature



Abundance of
Viruses in
Marine Waters

Research Programs Survey of scientific literature

PRESSURES ON CORAL REEFS

Pollution

Over fishing

Sedimentation

Global Warming

Tropical Storms

Hurricanes

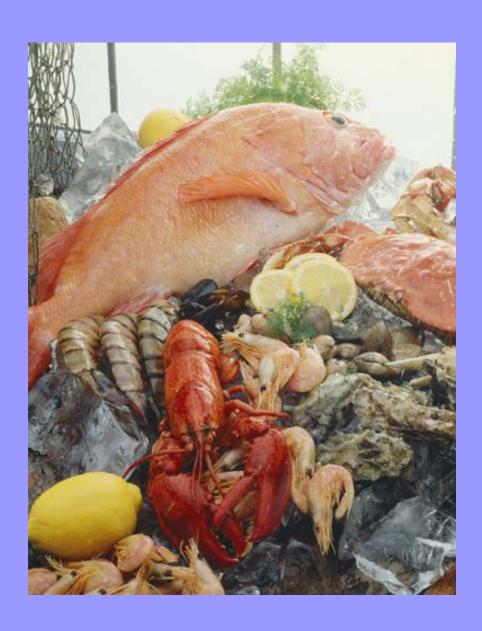
Pollution from rotting garbage



Pollution from inadequate sewage treatment systems



Over-fishing



CEA Outreach Programs Advanced Waste Treatment Program





Composting toilet

Created wetland

CEA Outreach Programs

Advanced Waste Treatment Program

The Quarry Project Funded by The Summit Foundation



CEA Outreach ProgramsAdvanced Waste Treatment Program The Quarry Project

3d drawing coming from Ken Doud need to add link to his site

CEA Outreach Programs Integrated Waste Management through the Community Recycling Program



CEA Outreach Programs Integrated Waste Management through the Community Recycling Program



CEA Outreach Programs Environmental Education Program







CEA Outreach Programs Environmental Education Program



CEA Outreach Programs - Affiliates

El Subcomité Plural de Manejo de los Desechos

de la Riviera Maya Sur

MIRES



CEA Outreach Programs Nature Guide Ecotourism Program



CEA Outreach Programs CEA Support for Research



CEA Outreach Programs CEA Support for Research



CEA Outreach Programs CEA Support for Research



CEA Outreach Programs

Akumal School Baño Project



CEA Outreach Programs

Akumal School Baño Project



CEA Outreach Programs Workshops



CEA Outreach ProgramsWorkshops, Tours and Special Groups



CEA Outreach Programs – Affiliates Yucatán Animal Rescue Foundation Program



CEA Outreach Programs – Affiliates
UAM Fish Study



The CEA Information and Cultural Center Informational Displays



The CEA Information and Cultural Center Publications



The CEA Information and Cultural Center CEA Presentations, Performance and Lecture Series





The CEA Information and Cultural Center CEA Research Library



The CEA Information and Cultural Center EcoTienda



Plaza Ukana I



Other Projects

- Construction of the Quarry Project as the planned Educational Ecopark with created wetlands, fish farming, recycling, composting, and a cooperative that will provide economic opportunities for the Maya.
- Expansion of the Water Quality Laboratory to include the Mesoamerican Reef System.
- Continuation of the Akumal Cave Diving Program.
- Acquisition of the undeveloped jungle area behind. Akumal for a nature reserve and small ecotourism development.

And More Projects

- Expansion of the Akumal Recycling Program to other communities in the region.
- •Nature Guide classes for the teens in the Akumal Poblado to help them better understand the animals in their community.
- •Restoration, propagation and protection of the indigenous beach plants on Akumal beaches.









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