

# CHAPTER 11: SUSTAINING AQUATIC BIODIVERSITY

## 11-1 Major Threats to Aquatic Biodiversity

- We Have Much to Learn

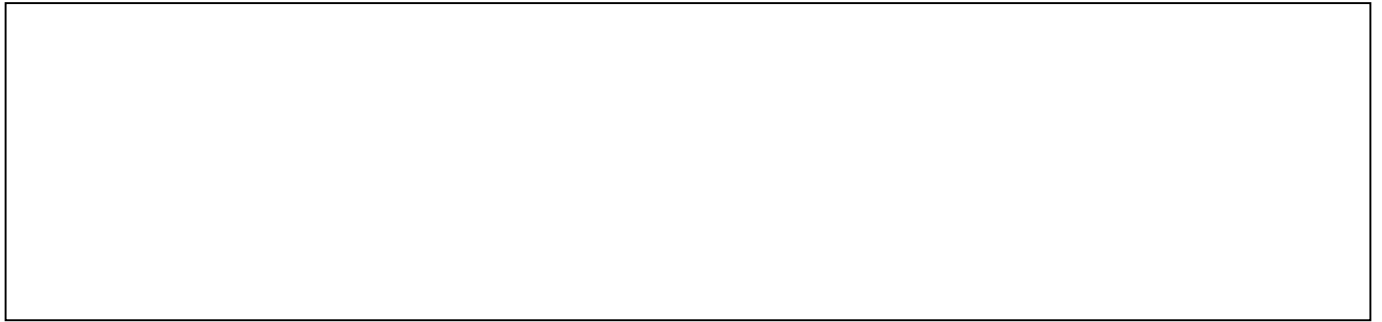
- Human Activities Are Destroying and Degrading Aquatic Habitat

- Invasive Species 🦠 Are Degrading Aquatic Biodiversity

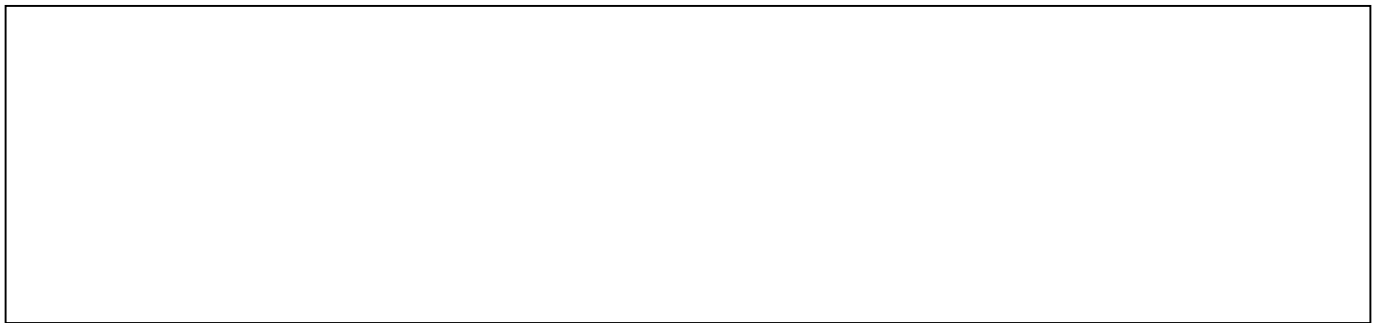
- Invaders 🦠 and Lake Victoria

- Population Growth and Pollution Reduce Aquatic Biodiversity

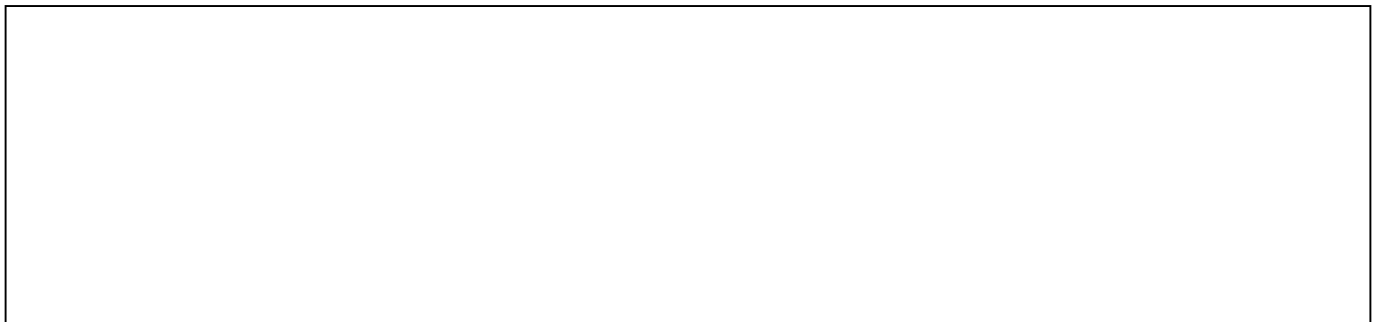
● Climate Change is a Growing Threat



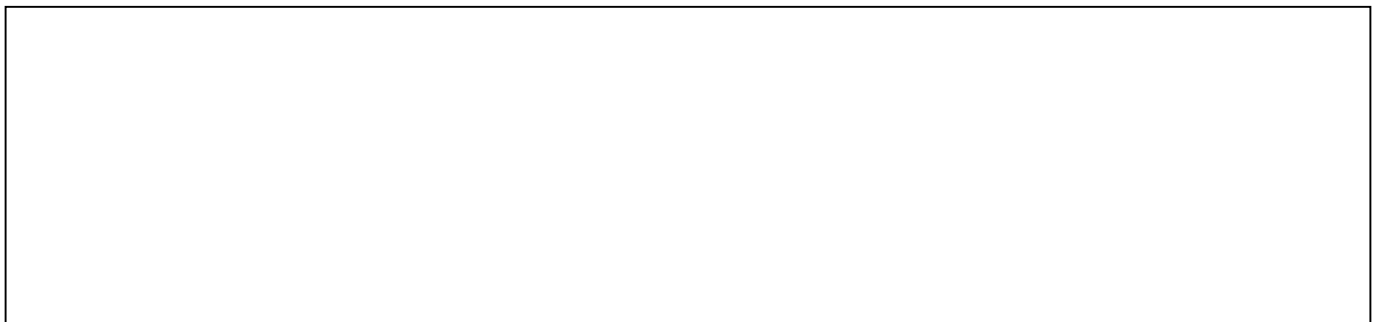
● Overfishing and Extinction



● Industrial Fish Harvesting Methods



● Extinction of Aquatic Species Is a Growing Threat



## 11-2 How to Protect and Sustain Marine Biodiversity

- Laws and Treaties

- International Whaling Commission Moratorium

- Economic Incentives

- Hope For Marine Turtles

- Marine Sanctuaries

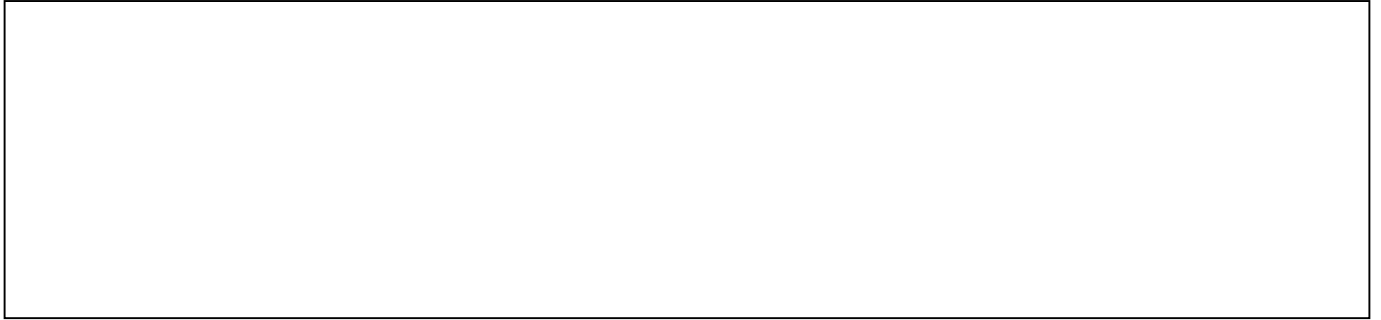
- Establishing a Global Network of Marine Reserves: Ecosystem Approach

- Marine System Restoration

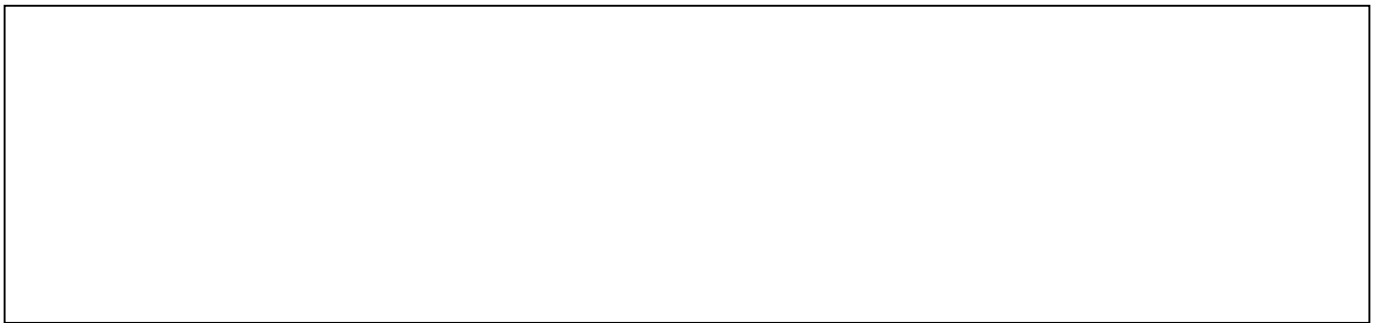
- Protection Requires Commitments

### 11-3 How to Manage and Sustain Marine Fisheries

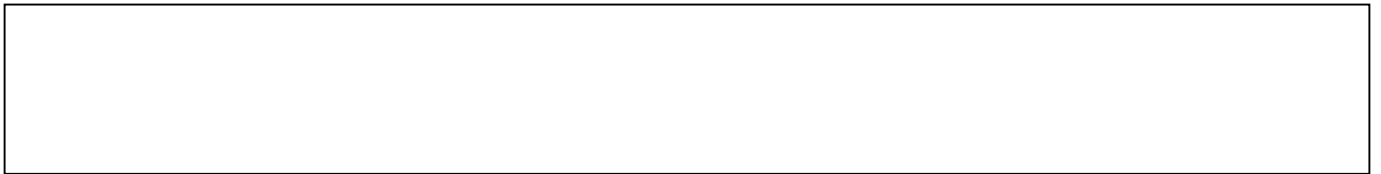
- Estimating and Monitoring Populations



- Community Cooperation



- Government Subsidies Can Encourage Overfishing



- Consumer Choices Can Help



**Diagram:**

## **11-4 How To Protect & Sustain Wetlands**

- Disappearance of Coastal and Inland Wetlands

- Wetland Preservation and Restoration

- The Everglades

## 11-5 How to Protect & Sustain Freshwater Lakes, Rivers, and Fisheries

- Freshwater Ecosystems Under Major Threats. Major Threats!

- Great Lakes: Repeated Invasions By Invasive Species 🦠

- Protecting Watersheds

- Freshwater Fisheries Need Better Protection

## 11-6 Priorities for Sustaining Aquatic Biodiversity

- Use an Ecosystem Approach

