

The Regional Training Course on
Sustainable Use and Management of Coastal Wetlands

5-20 November 2007
Mahidol University, Thailand

TIEN YEN ESTUARY

Image © 2005 EarthSat

Viet Nam

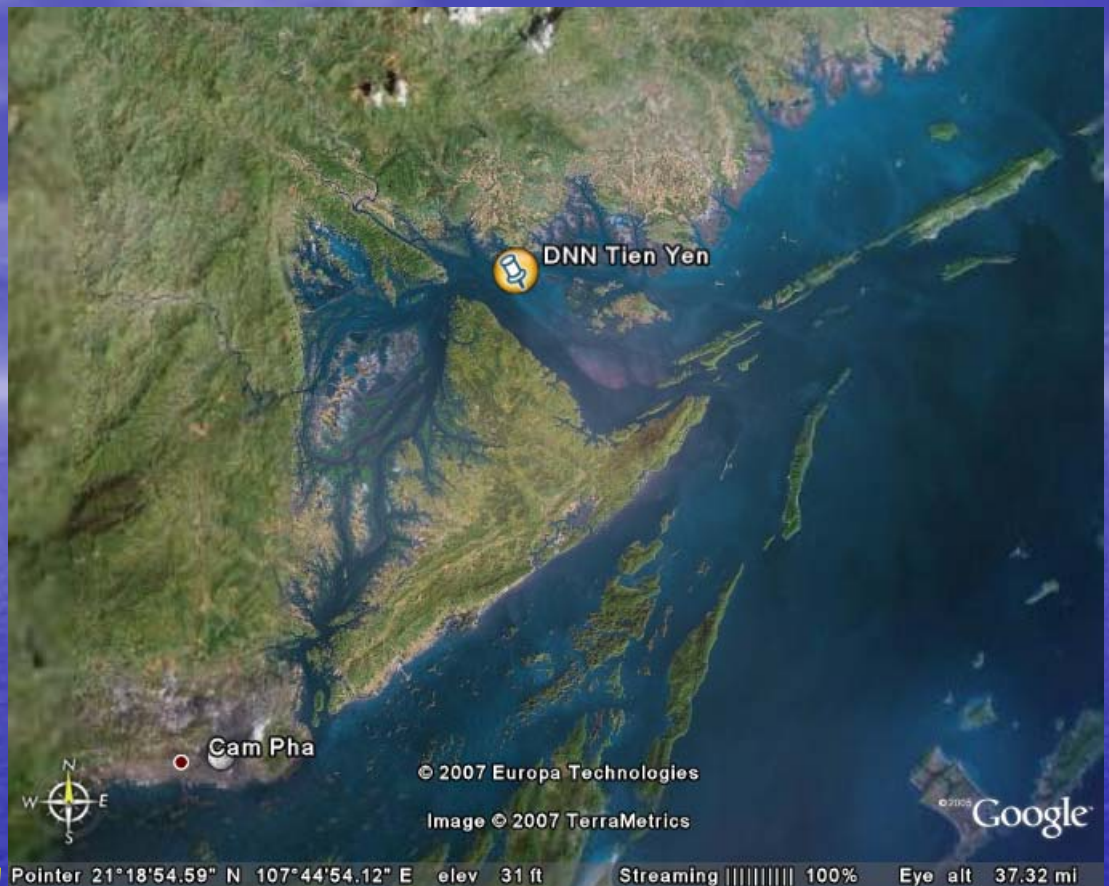
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Pointer 9°31'54.09" N 114°35'51.11" E

Streaming ||||| 100%

Eye alt 2372.71 mi



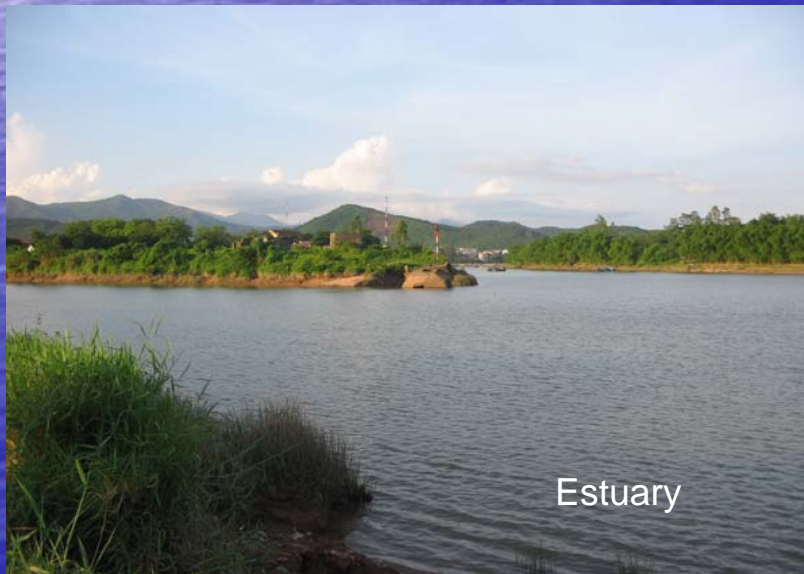
Tien Yen estuary

Conner Co-ordinates:
 21°10'00"- 21°20'00" and
 104°20'00" - 107°35'00"

This is a typical tidal wetland belonging to a typical estuary area subject to the impact of the regular diurnal tides in Viet Nam. The Tien Yen Estuary area is a component and a subordinate land system within the Tien Yen - Ha Coi Bay.

Total wetland area is about 24.738 ha

Wetland types



VALUES AND FUNCTIONS

- **High biodiversity (188 Species of phytoplankton; 260 Species of zoobenthic; 36 Species of bird; 195 Species of fish; 15 Species of mangrove)**
- **Accumulating nutrients**
- **Retaining sediment and toxic substances**
- **Regulating microclimate**
- **Preventing waves, winds, and erosion**
- **Environment for (Aquaculture, fishing; Forestry; Waterway transportation; Tourism; Agriculture and farming)**

THREATS

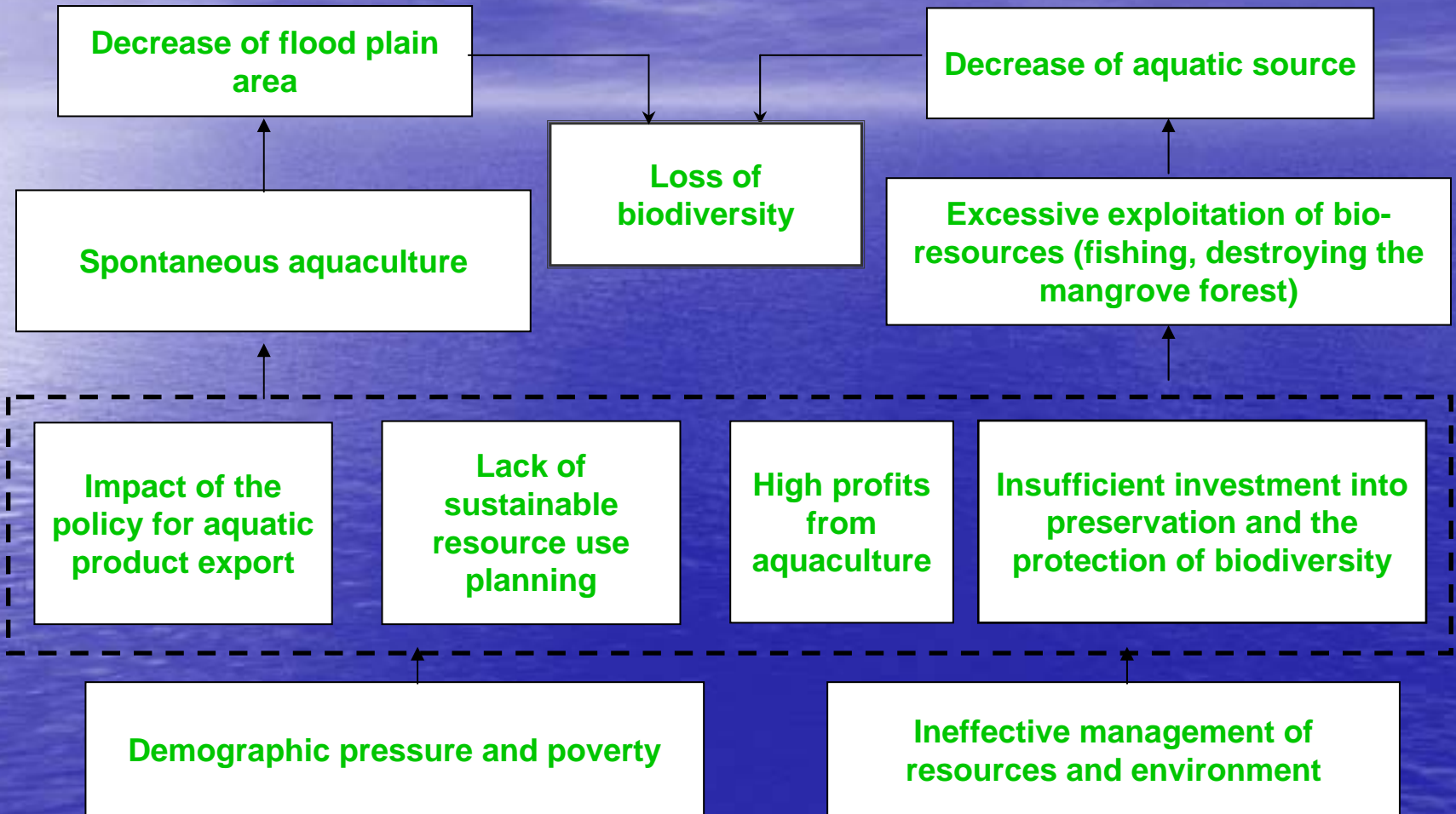
- Destruction of mangrove forests for shrimp farming (it is estimated that more than 2,000 m³ of wood is exploited from the mangrove forest each year)
- Destructive and over exploitation of natural resources
- Human pressure



Spontaneous aquaculture



Figure 1: Model of causal analysis of biodiversity loss in the Tien Yen Estuary area



MANAGEMENT STRATEGY

Jurisdiction

The People's Committee of Quang Ninh Province, the People's Committee of Tien Yen District, the People's Committee of Dam Ha District in the east and the People's Committee of Van Don District in the south.

Management authority

The wetland area is administratively managed by, the People's Committee of Tien Yen District, Dam Ha District (left side of the site) and Van Don District (right side of the site) The People's Committee of Hai Lang, Dong Rui, Tien Lang, Dong Hai

The most important for biodiversity conservation and environmental protection are

- Enhancing integrated, intersectoral area management
- Sustainable wetland use, reduction of local livelihood induced stress
- Awareness for wetland sustainable use and conservation, environment protection

A photograph of a pond with several pink lotus flowers in various stages of bloom. The flowers are surrounded by large, green lily pads with prominent veins. The water is dark and reflects the surrounding foliage. The text is overlaid on the left side of the image.

**Thank you very much for
your**

Kind attention

Sharing information