

Aquatic Ecosystems

I. Aquatic Environments

A. Significant environmental factors:

- 1.
- 2.
- 3.
- 4.

B. Organisms – three ecological categories

1. Plankton
 - a.
 - b.
2. Nekton
3. Benthos

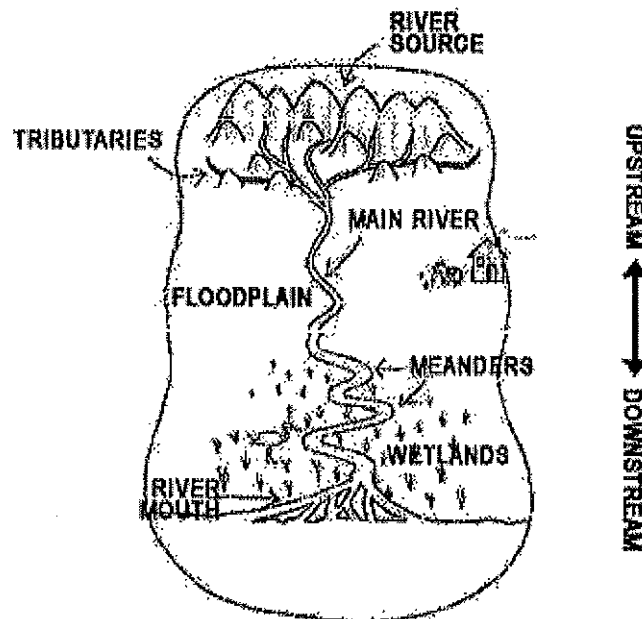
II. Aquatic Ecosystems

A. Freshwater

1. Rivers and Streams

a. Lotic

b. Zones of a river:



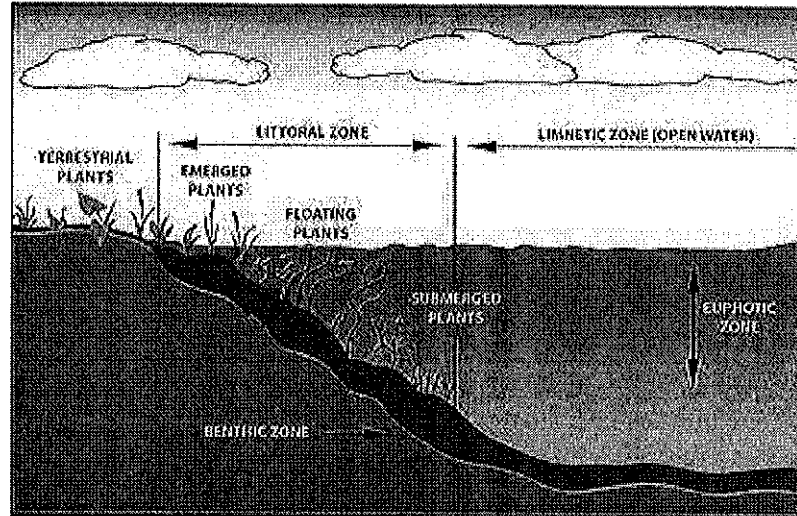
c. Organisms

d. Watershed

2. Lakes and Ponds

a. Lentic

b. Zones of a lake:



c. Thermal Stratification

3. Marshes and Swamps

a. Freshwater wetlands

b. Provide many ecosystem services:

c. Human Impact:

i) Loss

ii) Mitigation Banking

B. Estuaries

1. Estuary

a. Water levels

b. Salinity

2. Organisms

3. Types

a. Temperate

b. Tropical

C. Marine

1. Intertidal Zone

2. Benthic Zone

a. Abyssal/Hadal zones

b. Shallow communities; more productive

i) Sea grasses

ii) Kelp

iii) Coral reefs

3. Neretic Province

a. Euphotic zone

b. Human Impact:

4. Oceanic Province

a. Conditions:

b. Human Impact:

