

# Sediment Cores & Estuary Management

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# Value of Sediment Cores

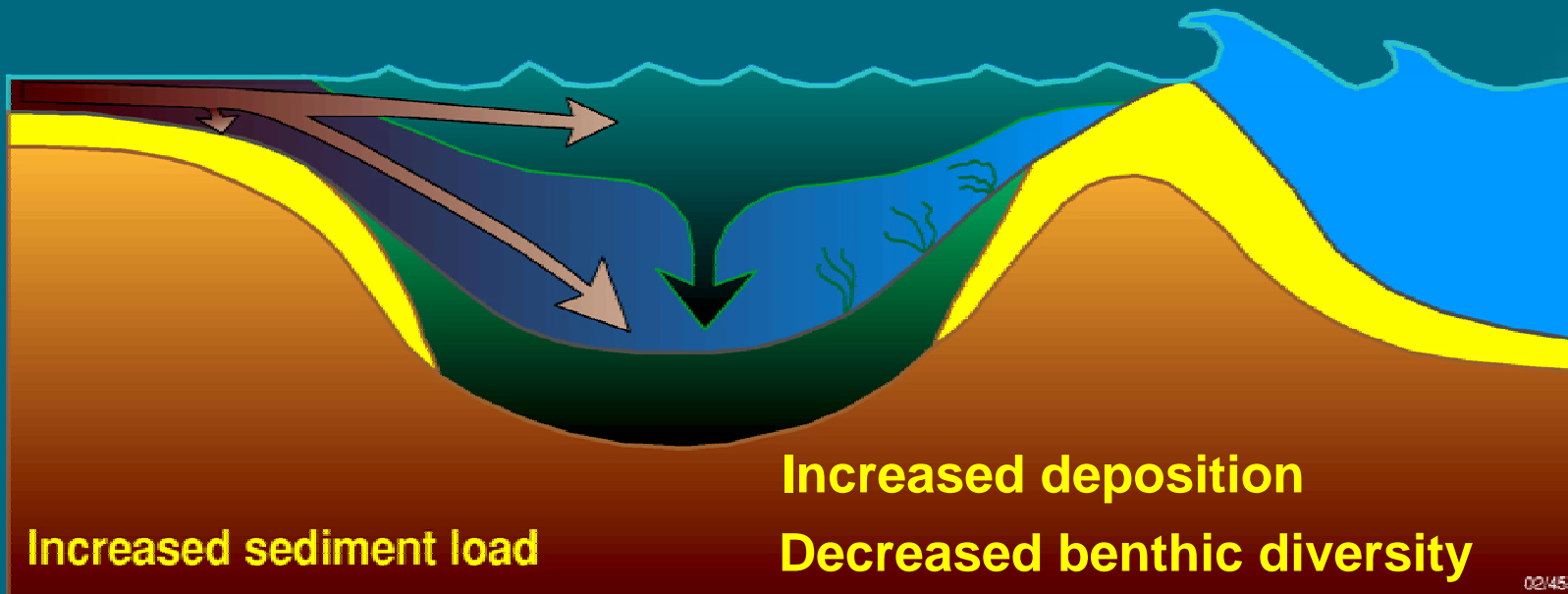
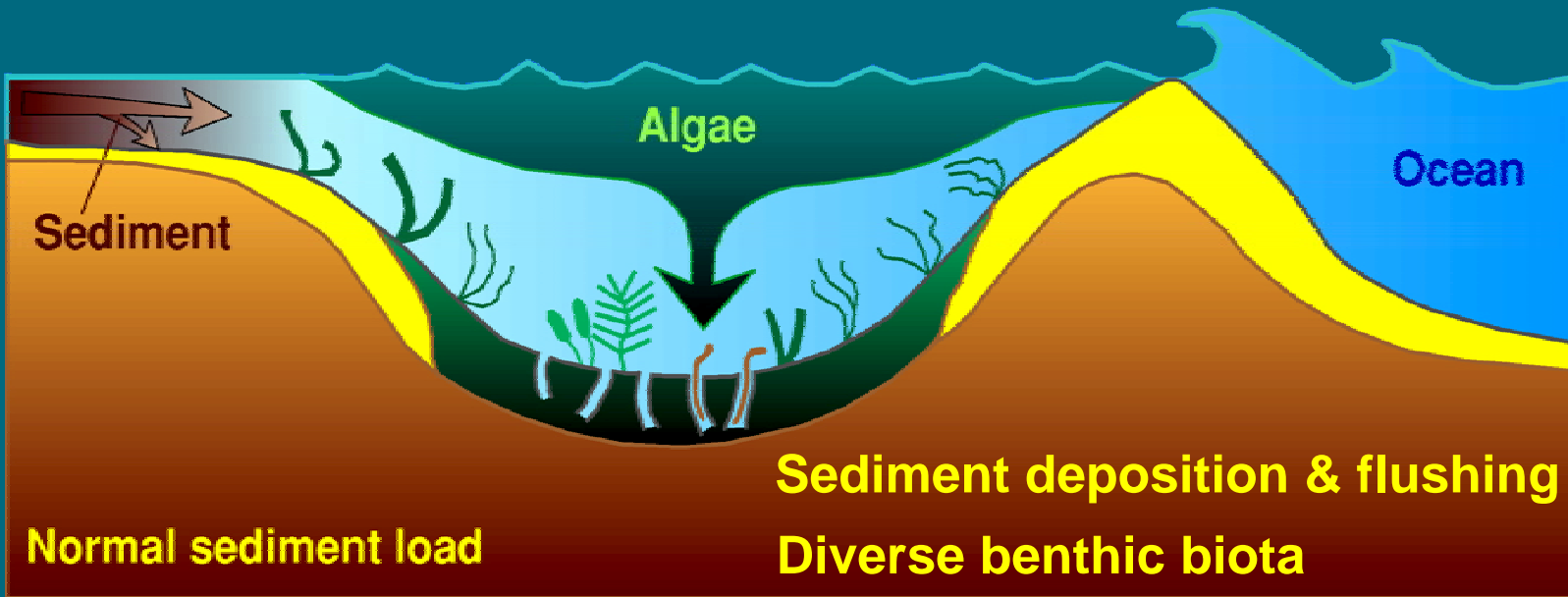
- Record of changes in depositional environment of estuaries related to changes in catchment land use & estuary hydrodynamics
- Valuable indicators of environmental integrity - recent changes in health and diversity

## Outline

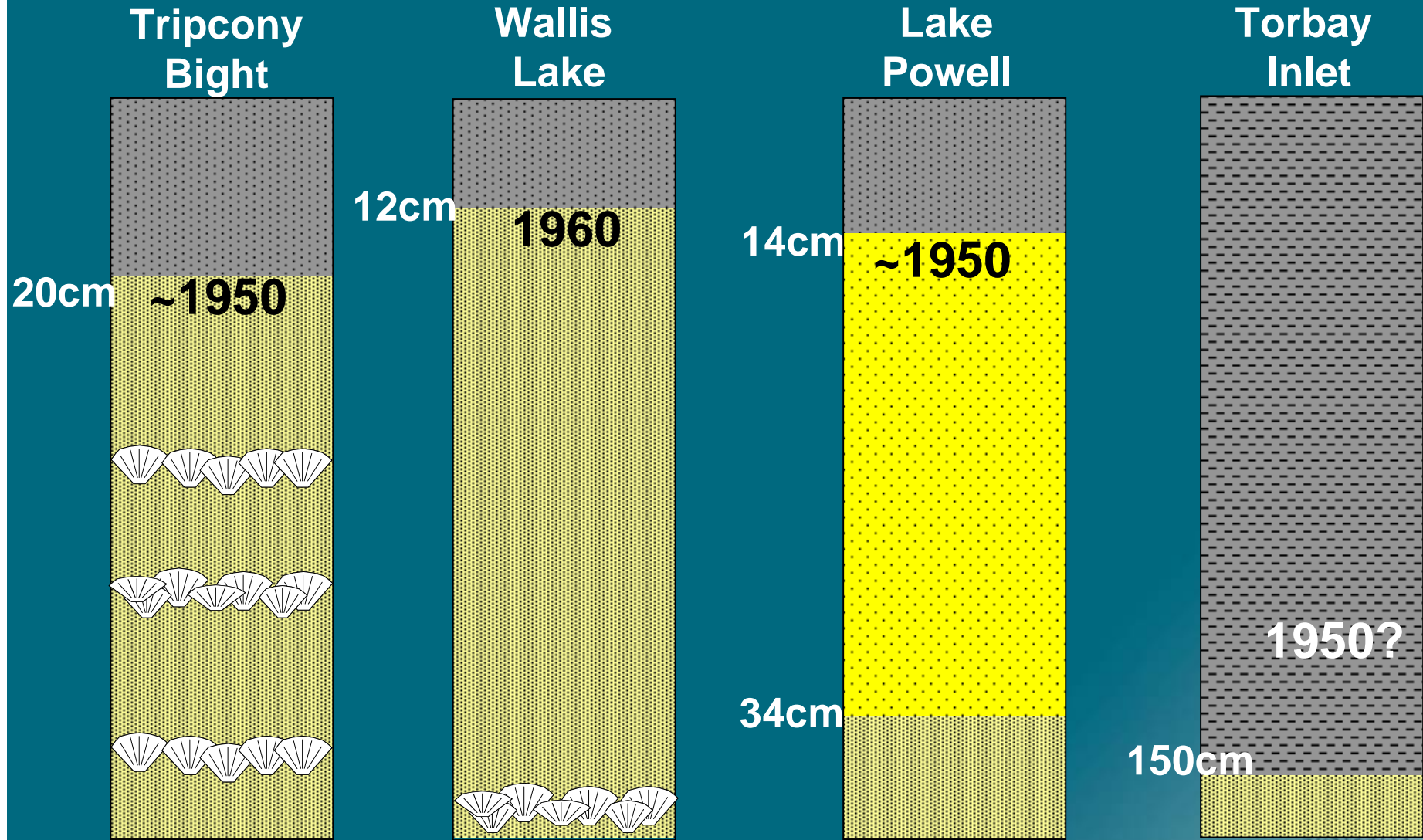
- Wave-dominated estuaries: Cores from estuaries with known catchment impacts
- Summary - value of cores as environmental management tool



# Estuary Cross Sections



# Sediment cores from wave-dominated estuaries



# Value of Estuary Substrate Information From Cores of Modern Sediment:

- Indication of environmental status of estuary
- Overview of the variability in benthic conditions
- Record of recent changes in estuarine environment
  - important where historical records lacking
- Predictive potential: indicate changes that may occur in other estuaries

