



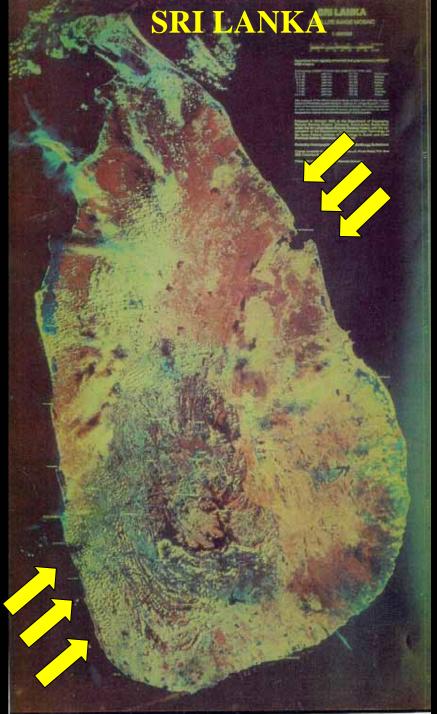
Annual
Rainfall
1,900 - 2,500
mm / year

South – West Monsoon

Yala Season

(May to September)

Medium Rains



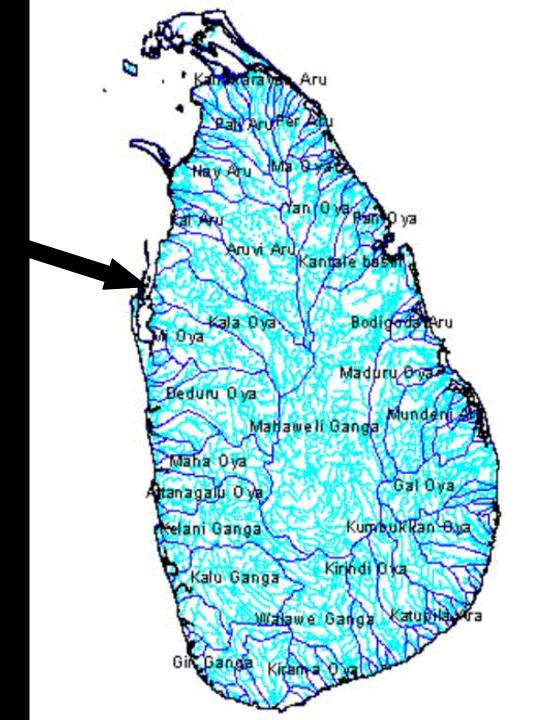
North – East Monsoon

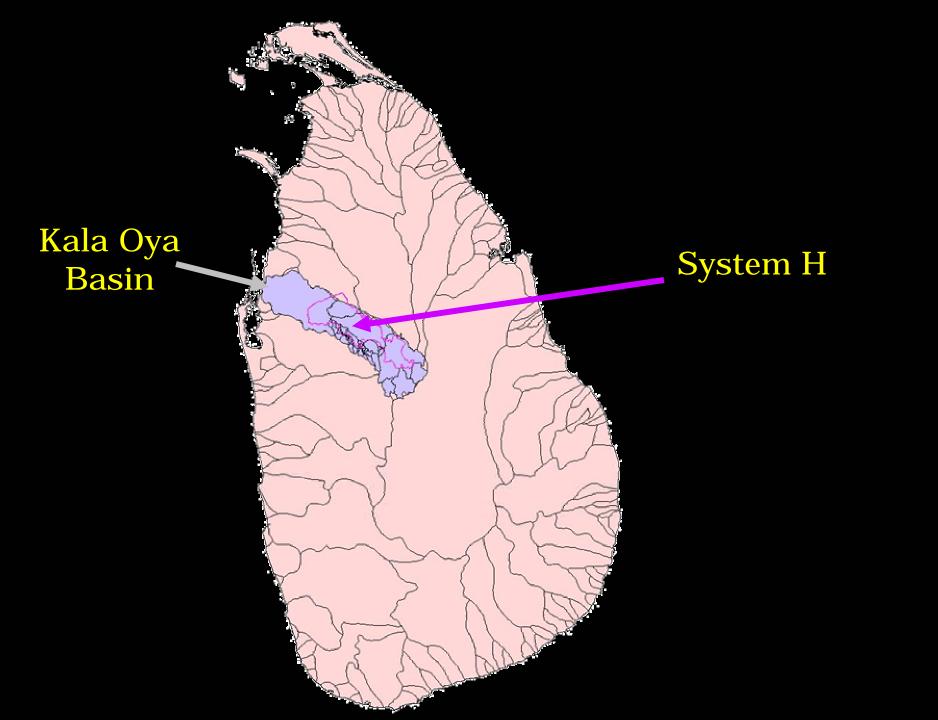
Maha Season

(November to February)

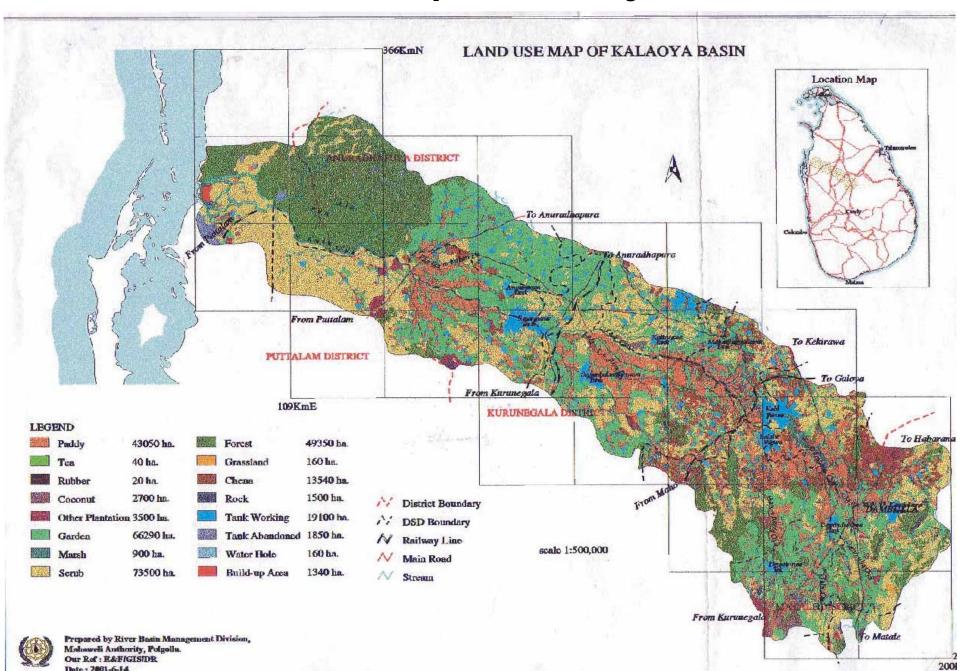
Heavy Rains

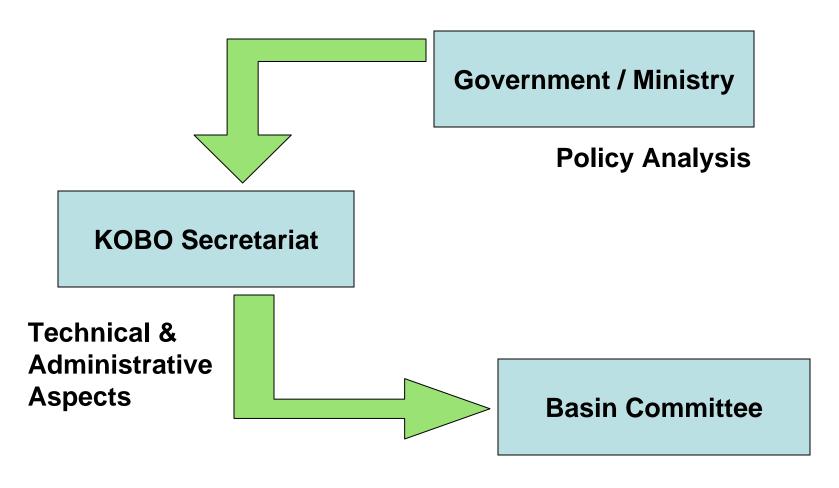
103
River
Basins
of Sri
Lanka





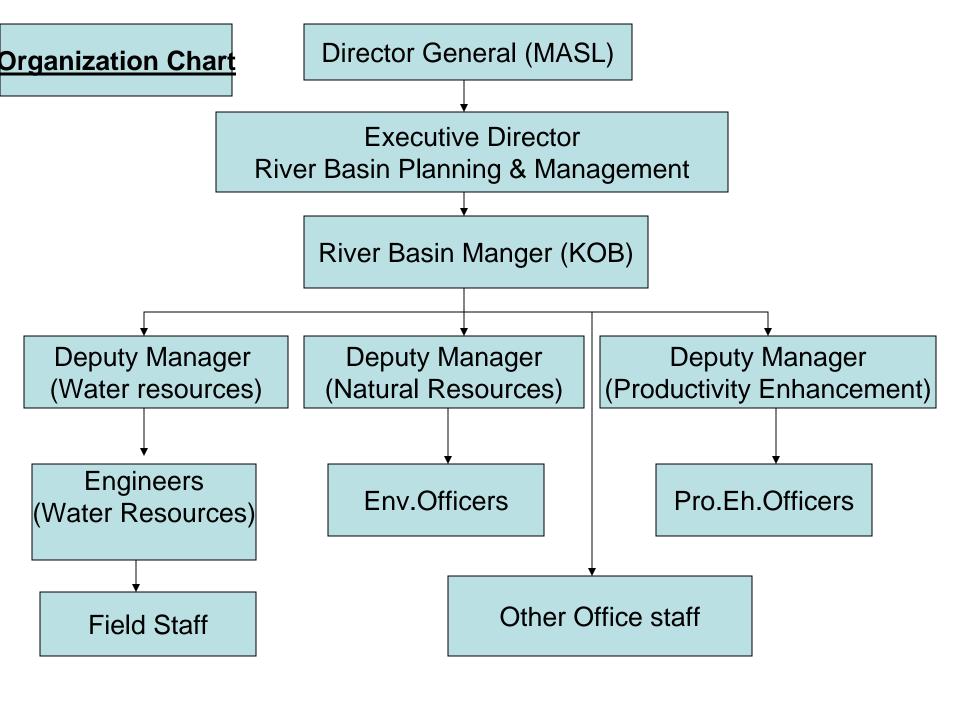
Land use map of Kala Oya Basin





Implementing Plans

Concept



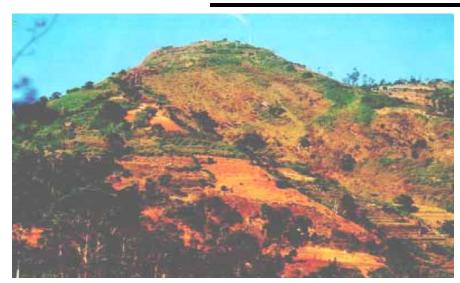
Issues Related to Natural Resources

- > Natural resources degradation.
- Uncoordinated and conflicting approaches adopted by line agencies.
- ➤ Less involvement in resource management activities by community.
- Difficulties in enforcement of regulations.
- > Absence of a comprehensive plan.
- > No proper solid waste disposal system.
- Encroachment of forest reservations and environmentally sensitive areas.

Issues Related to Natural Resources Contd......

- Water quality degradation.
 - i. At sea mouth due to salt water intrusion
 - ii. Upper reaches due to high use of agro chemicals and solid wastes
- Absence of data and information.
- Wild Elephant/ Human conflicts.
- Absence of water quality monitoring program to cover the entire area of the Kala Oya Basin.
- Lack of studies conducted relating to mining of minerals.
- The absence of details related to bio diversity.

Watershed Problems



Soil erosion



Sediment transportation



Reservoir sedimentation

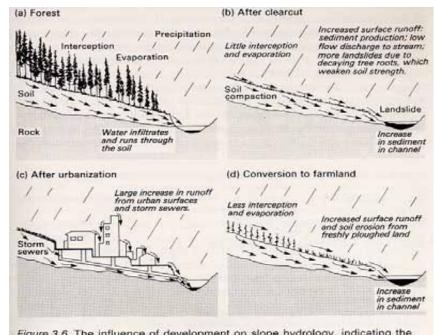


Figure 3.6 The influence of development on slope hydrology, indicating the role of agriculture and urbanisation

Watershed Problems Cont...



Water Pollution



Burning of vegetation



Garbage dumping



Deforestation

Issues Related to Water Resources

- Competitive demand of water for drinking ,agriculture and industrial purposes.
- Lack of coordination between different water users
- Lack of proper water allocation system
- Lack of sufficient storage facilities to catch the runoff.
- Lack of data and data sharing problems
- Insufficient ground water recharging system
- Uncontrolled extraction of ground water leading to degradation of water table
- Degradation of water shed and sedimentation problems



