

## 10.3 Yield

- Alternative Basin Yields

  - Maximum quality of water

  - Mining Yield (rate exceeding the recharge)
  - Perennial Yield rate at which water can be with  
Fig 10.3.1 (b) drawn perennially without any  
rearrange .
  - Deferred Perennial Yield Fig 10.3.1 (c)
  - Maximum Perennial Yield  
Conjunctive use

- Evaluation of Perennial Yield

  - inflow , recharge patterns , water use in a basin

  - Factors Governing Perennial Yield
  - recharge criterion (supply / disposal)
  - Economic considerations
  - Water quality (seawater intrusion)
  - Legal

  

  - Calculation of Perennial Yield  
rate which GW. can be withdrawn from a basin over a  
representative time period without producing a  
significant change in GW. storage
  
  - Variability of Perennial Yield
    - Yield vary with time
    - Vary with GW. level
    - rearrangement of the pumping pattern  
(Fig 10.3.2)