

10.4 Basin Management by Conjunctive Use  
coordinated and planned operation of both surface  
water and groundwater resources to meet water  
requirements in a manner whereby water is  
conserved.

Fig 10.4.1 - concept of conjunctive use

Requirement \_\_\_\_ Fig 10.4.2

Fig 10.4.3 phases & steps involved for a basin mgt.  
the use of mathematical Models

Table 10.4.1 advantages & Disadvantages

The basin principles of GW. basin operation

10.5 GW Management : Laws and policies

Case study (Arizona, Texas, Thailand)

10.6 Case study

10.7 GW Management using models

Optimization model

10.8 GW management modeling : hydraulic management  
models

Example 10.8.1

10.9 Policy evaluation and allocation models

10.10 Optimal Control GW management modeling

10.11 Case study

assignment