

## Chapter 7 Quality of Groundwater

- purpose (drinking, industrial, irrigation)
- **quality criteria**, chemical, physical, biological, radiological
- reporting method
- Dissolved gases
- temperature

7.1 Natural GW quality Table 7.1.1

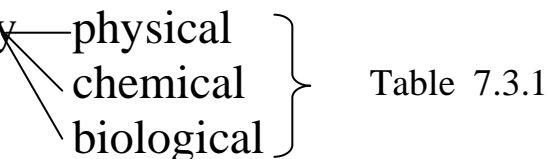
7.2 Sources of salinity

Salinity 25  $\approx$  300,000 mg/l

Fig 7.2.1 geochemical cycle

principal chemical changes in valued in water  
precipitation to groundwater

Table 7.2.1 Principal Chemical Constituents in GW -  
natural sources & concentrations

7.3 **Measures** of Water Quality 

7.4 Chemical of Water Quality

concentration by weight

chemical equivalence

TDS by Electrical conductance

Hardness Table 7.4.2

### 7.5 Graphic Representations

Fig 7.5.1

Fig 7.5.2

Fig 7.5.3

Fig 7.5.4

Fig 7.5.5

Fig 7.5.6

- 7.7 Physical Analysis
- 7.8 Biological Analysis
- 7.9 **Groundwater Samples**