

Introduction to Infrastructural Engineering

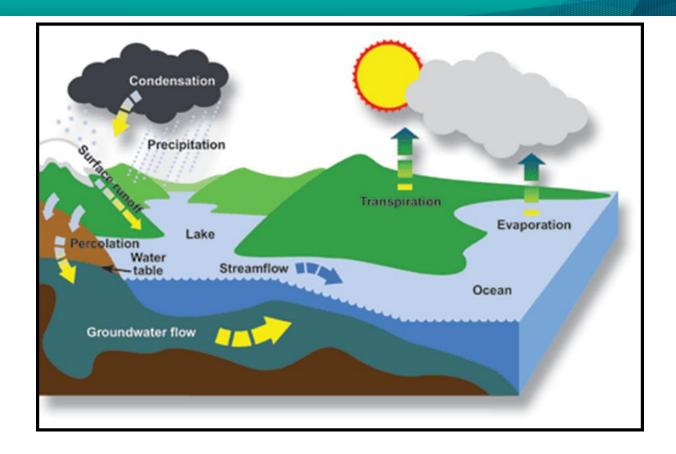
Water supply

Author Name: DR. MD NURUL ISLAM

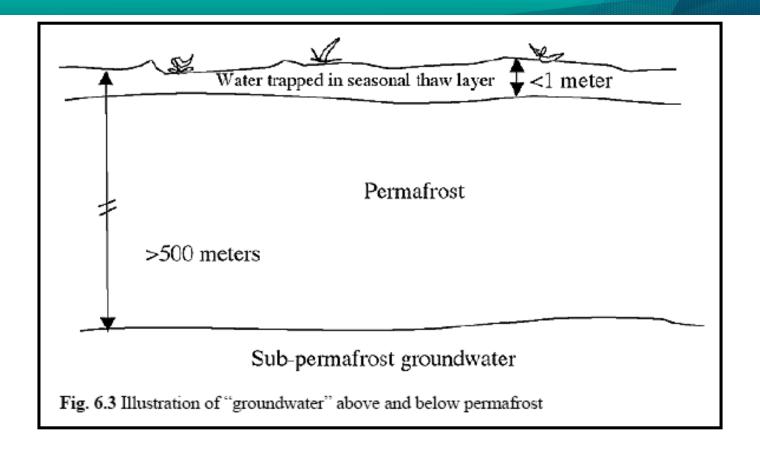
Faculty: FTEK email: mdnurul@ump.edu.my



Freshwater Cycle



Water Table



Water Table (Cont)

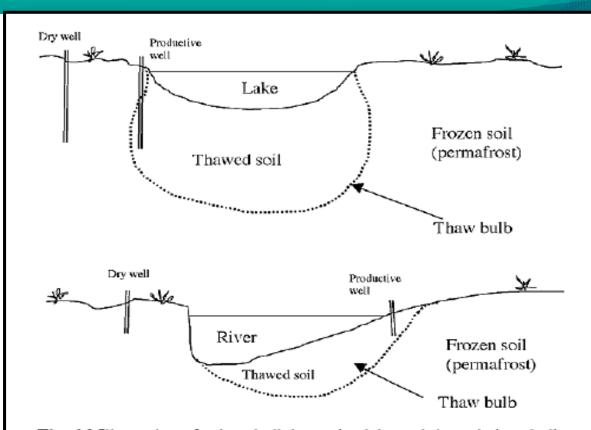
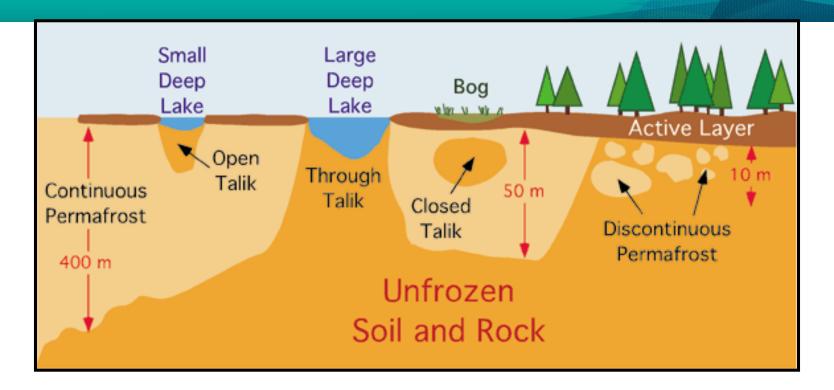


Fig. 6.2 Illustration of a thaw bulb beneath a lake and river. A thaw bulb such as these ones may be valuable sources of fresh, unfrozen water.

Layers



Concepts

Effluents

 The sewage or industrial liquid waste that is released into natural water by sewage treatment plants or structures to treat industrial water (including mine water)

Receiving waters

 A river, lake, ocean, etc., into which waste water or treated effluent is discharged

Concepts

Drinking Water:

 Water intended for human consumption but which has other household uses

Best Practices

- Prevention of the contamination of water sources (lakes, rivers, streams, and groundwater sources)
- Treatment of water
- Proper maintenance of water distribution systems
- Regular monitoring of drinking water
- Public education and awareness (especially for "in house" water distribution)

Drinking water



Source to tap

