

An understanding of the effect of soil
properties on the environment provides
horizons for careers in soil

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Part 1b

Examples: Urban Development







Environmental Problems



Lack of understanding of the link between water quality and soil properties can result in water quality problems because of dispersive soils

Although gabions have been constructed along the river bank, insufficient soil data had been collected to ensure that there would not be turbidity and suspended solids resulting in poor water quality.

SALINITY

- Rising water table levels cause increased mobilization of soil salts and subsurface flow across the landscape
- Saline seepage then energises lower down slope, or rises close to the surface, in situations determined by landform
- In catchments at risk of dryland salinity increases in deep drainage due to subdivision may cause an increase in salinisation, similar to removal of native trees and grasses

Salinity on Road Pavement



Affect of Salinity at Racecourse



Salinity and Heritage Buildings

