Effect of Physiographic factors on Forest growth

Aspects

- ✓ Aspects effect on climatic factors significantly, so it determines quantity of sunlight rays receives in location and that effect the temperature , air moisture and soil moisture for the site .

- ✓ Even the Aspects effects on tree growth and natural distribution range via effect on temperature and soil moisture for the site.

- ✓ For that reason the growth of forest trees on aspects exposure to sunlight and wind are different compare to trees that growth on aspects which is less exposure to sunlight and wind .

Climatic factors in Aspects mountain forestry

Temperature

- ✓ South aspect dried and loss moisture faster than north aspect because they receive higher quantity of temperature than north aspect, and the daily differences in mean of temperature values between the two faces rise to some degree , because of the south faces are near to be vertically to sunlight than north faces.

- ✓ The effect of aspects on temperature can be seen clearly by growing the trees on higher altitude in south face than north face in it normal distribution.

Moisture

- ✓ About the moisture factor, the north faces are more moist than south faces .

- ✓ The snow fall accumulation in north faces are more than south face, so the snow melting are slower than south face.

- ✓ The effect of this phenomenon is more effect in dried and semi dried countries , it the trees growth better in north face than the south face and the reverse is right for cold countries? It the growth of trees are better in south faces than north faces because the temperature are more suitable in south faces.

Factors effecting Aspects properties?

- ✓ *Geographic location*
- ✓ *Wind quality and speed*

- ❑ The faces can be effect by sea and moist wind which comes from the sea .

Aspects management?

- ❑ For that to protect and maintenance the south face should prevent cutting of trees or removal of green shrubs and grass to safe it from high temperature and loss of soil moisture .