

ABSTRACT

The present research work was carried out to determine the height, Dbh and growth rate of *Pinus roxburghii* and *Pinus wallichiana* in Jhika gali, Tehsil Murree. For this purpose samples of both species were cored carefully from the start to the end of Jhika gali track. For each species of *Pinus roxburghii* and *Pinus wallichiana* 50 samples were cored. In *P. roxburghii* the growth rate varied between 0.367 inches/year to 0.227 inches/year with Dbh 76 and 74.6 inches respectively. Height was measured in between 99 to 61 feet. In first stand of *P. roxburghii* maximum growth rate was 0.367 inches/year and minimum in growth rate in second stand was 0.227 inches/year with Dbh 76 inches and 74.6 inches respectively. Longest tree was 99 ft. and shortest was 61 ft. In *P. roxburghii* there was an inverse correlation between growth rate and Dbh but between growth rate and height it was direct. In *P. wallichiana* growth rate varied between 0.513 inches/year with Dbh 25.2 inches and 0.161 inches/year with Dbh 41.4 inches. Height recorded maximum and minimum was 82 and 31 feet with growth rate of 0.479 inches/year and 0.169 inches/year respectively. Maximum and minimum age was 156 and 73 years respectively. In *P. wallichiana* correlation between Dbh and growth rate was inverse and between height and growth rate was direct. As for as concern with phytosociology 92 species were collected belonging to 44 different families. 1 family was from pteridophytes and 1 from gymnosperms. Remaining 42 families were from angiosperms. Among these 2 were monocots and 40 were dicots. IVI values of various species varied between minimum 0.99 and maximum 2.65