論 文

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名勝に指定されている海岸クロマツ林におけるクロマツ大径木の樹齢と年輪成長

藤原道郎[1]・岩崎寛[2]・大藪崇司[1]・澤田佳宏[1]

The relationship between tree ring widths and age of the large-sized Japanese black pine trees established on the coastal sand pine forest preserved as a scenic beauty

Michiro Fujihara[1], Yutaka Iwasaki[2], Takashi Oyabu[1] and Yoshihiro Sawada[1]

Abstract: Growth condition in the past and age of alive large-sized pine trees were estimated from radial growth of trunks of dead and fallen Japanese black pine trees in a coastal pine forest preserved as a scenic beauty. Annual radial growth of pine trees younger than 80 years old ranged from 2.0 to 6.0mm. On the other hand annual radial growth of pine trees older than 95 years ranged from 1.4 to 2.2mm. Correlation between age and diameter was extremely high with older than 95 years of dead pine trees. The age of oldest trees was estimated to be 350 years old. The growth condition seems to have been severe from 1650s to 1900s.