

FOREST RECOVERY SUCCESSIONS AFTER FINAL FELLINGS IN KOREAN PINE-DARK CONIFEROUS BROADLEAVED SEDGE-FERN FORESTS OF THE SOUTH SIKHOTE-ALIN MOUNTAINS

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The results of more than 30 years of research on reforestation successions after fellings made in the second half of the last century in the Korean-pine-fir-spruce broadleaved-sedge-fern forests of Southern Sikhote-Alin, are discussed. Changes in the species composition, abundance and coenotic role of dominant species of different biotopes are considered, ranging from a one-year-old clearing after conditionally clear felling to a native Korean-pine-fir-spruce coniferous forest about 220 years old, restored after forced selective felling. The fastest reforestation process without change of bedrock is carried out after winter selective felling. After conditionally clear fellings with use of heavy aggregate equipment, that violate the ground cover and litter as well as damage the undergrowth of tree species, forest restoration proceeds through the replacement of coniferous species with fast-growing deciduous species. In general, the reforestation process in the surveyed areas is proceeding successfully, which is associated with a small area of felling (less than 1 ha each) and the proximity of primary forests.

Keywords: forced selective and conditionally clear fellings, forest recovery, phytocenotic significance of coenopopulations

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