

that the width be not less than 200 feet and the area of the check strips about 10 per cent of the total area under investigation.

### Growth

(a) A few plots of from five to twenty acres each in other protected areas, depending upon the tree density, should be selected in typical cut-over lands (of recent and known date of cutting) and the trees measured and tagged. The object is to ascertain the growth of shortleaf, loblolly, and longleaf pine on cut-over lands.

(b) Studies of relation of age to diameter breasthigh and relation of age to seeding will aid in ascertaining the best diameter limit for cutting. These can be carried on in connection with the other investigations without the necessity for special plots.

### Natural Reproduction

(1) A study of the establishment of reproduction in cut-over areas, including species, density, rate of seedling growth, and similar points. This could be carried on by means of smaller plots located within the larger ones already provided for under studies of growth. In order to determine the damage to reproduction by domestic animals, one or more of these plots should be fenced, while adjacent plots of similar size and conditions