

1966 Infrared Photography

Height measurement errors -- varies with scale and printing method

Crown counts -- varies with scale and printing method

Density estimates -- no significant difference

Variability among interpreters and plots was found to offset any variability of significance in the three factors tested (i.e., scale, printing method, print surface-material), indicating that more emphasis needs to be placed upon means for controlling interpreters and plots. In addition, tonal differences between plots were not accounted for in the analysis and this factor might have a significant influence upon interpretation results.

In summary, while it might be possible to determine the best scale-printing-surface combination for a limited purpose or single measurement (e.g., height measurement), no particular scale-printing-surface combination can be selected which is significantly better than any other for general purpose forestry applications. Such limited-purpose aerial photography is, of course, usually neither desired nor financially practical; therefore, the following conclusion is drawn:

In terms of the variables and conditions tested, nothing in the results of this study suggests the desirability for a change from conventionally-printed double weight semi-matte contact prints when scales of 1/15,840 - 1/20,000 are employed for general forestry purposes.