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
of

Agriculture and Forestry

**Developing Alternative Wood Harvesting Strategies with Linear Programming
in Preparing Forest Management Plans**

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Abstract: In this paper, the process of developing alternative wood harvesting strategies in forest management planning is presented. Alternative wood harvesting strategies based on linear programming (LP) include a planning horizon of 100 years, an objective of the maximization of net present value (NPV) and various constraints such as classical volume control (even flow) and wood assortments. Model outputs are presented and discussed along with NPVs and amounts of wood assortments by alternative wood harvesting strategies consisting of various discount rates and wood assortments.

Key Words: Forest management, Wood harvesting strategy, Linear Programming, Net Present Value

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