

Effects of Forest Management on Nitrogen Mobilization in a High Productivity Managed Coastal Douglas Fir Site. (S07-licata155638-Poster)

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Abstract:

The effects of forest management on soil solution was examined on a high-productivity coastal Douglas fir site. Negative-tension lysimeters installed at 100 centimeters depth were sampled monthly beginning two years after clearcut harvesting. Lysimeters were placed in three different levels of organic matter retention and in an adjacent uncut stand. The hypothesis of interest is that inorganic nitrogen concentrations will increase as harvesting intensity increases and that the form of the nitrogen in solution will shift from primarily a dissolved organic form in the forest to inorganic forms in the clearcut regardless of intensity.

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