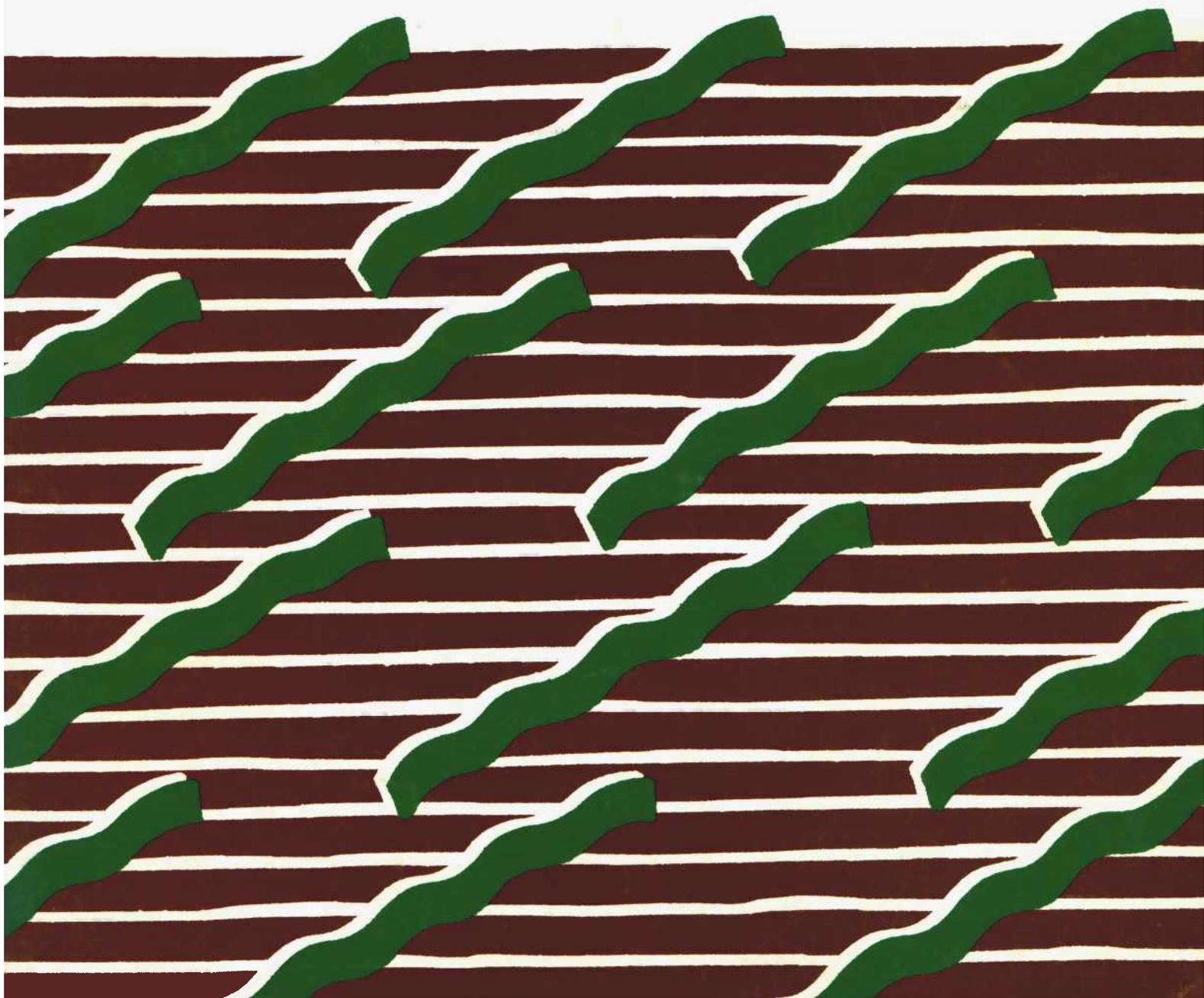


# A MANUAL FOR TRAINING RECLAMATION INSPECTORS IN THE FUNDAMENTALS OF SOILS AND REVEGETATION

By Willis G. Vogel



Prepared for the  
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by the  
U.S. Department  
of Agriculture,  
Forest Service



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Much of the information was gathered from existing revegetation guides, manuals, handbooks, textbooks, and other materials published by federal and state agencies, universities, colleges, experiment stations, and the mining industry; and from firsthand knowledge and experience of the various authors. References from which information was gathered are listed in the bibliography.

# Foreword

The purpose of this handbook is to give surface mining and reclamation inspectors a basic knowledge and understanding of soils and vegetation as they relate to surface mining and reclamation. It is not meant to be a detailed treatment of all revegetation situations, but to provide guidance in understanding and adapting principles and practices of soil and plant sciences appropriate to overburden and soil removal, replacement, testing, and treatment; selecting and using species for various conditions and land uses; and evaluating revegetation success. The handbook can be used in the training of surface mining and reclamation inspectors, both Federal and State, and as a reference for inspectors in carrying out their assigned duties.

This handbook was assembled and edited by personnel of the USDA Forest Service, Northeastern Forest Experiment Station Surface Mine Reclamation Research Project, and Northeastern Area State and Private Forestry, at Berea, Kentucky. Active and retired personnel from the Berea Research Project, USDA Soil Conservation Service, Utah State University, North Dakota State University, and USDA Agricultural Research Service contributed various sections to the handbook. Its development was made possible by funding from the Office of Surface Mining, U.S. Department of the Interior.

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