Contents

The Predictive Assessment of the Migration of Leachate in the Subsoils Surrounding Mine Tailing	
and Dredging Spoil Sites M. Loxнам (With 16 Figures)	3
Pre-Mine Prediction of Acid Mine Drainage K.D. FERGUSON and P.M. ERICKSON (With 3 Figures)	24
Methods for the Treatment of Contaminated Dredged Sediments W. J. Th. VAN GEMERT, J. QUAKERNAAT, and H. J. VAN VEEN (With 6 Figures)	44
Classification and Dewatering of Sludges J. Werther (With 17 Figures)	65
Stabilization of Dredged Mud W. Calmano (With 6 Figures)	80
Integrated Biological Systems for Effluent Treatment from Mine and Mill Tailings H. VON MICHAELIS	99
Ecological Engineering: Biological and Geochemical Aspects Phase I Experiments M. Kalin and R.O. Van Everdingen (With 1 Figure)	114
Part II Restoration and Revegetation	
Rehabilitation Measures at the Rum Jungle Mine Site J. R. Harries and A. I. M. Ritchie (With 7 Figures)	131

Part I Prediction of Effects and Treatment

X Contents

Mine Tailings Reclamation. Inco Limited's Experience with the Reclaiming of Sulphide Tailings in the Sudbury Area, Ontario, Canada T.H. Peters	152
Development of a Revegetation Programme for Copper and Sulphide-Bearing Mine Wastes in the Humid Tropics	
I. Archer, N. A. Marshman, and W. Salomons (With 3 Figures)	166
Biological Engineering of Marine Tailings Beds D. V. Ellis and L. A. Taylor (With 6 Figures)	185
Reclamation of Pyritic Mine Spoil Using Contaminated Dredged Material	
J. W. SIMMERS, G. S. WILHELM, J. M. MARQUENIE, R. G. RHETT, and S. H. KAY (With 3 Figures)	208
Part III Management	
Towards a Long-Term Balance Between Economics and Environmental Protection M. FABER and G. WAGENHALS (With 8 Figures)	227
Rotterdam Dredged Material: Approach to Handling J.P.J Nijssen (With 15 Figures)	243
Environmental Management of New Mining Operations in Developed Countries: The Regional Copper-Nickel Study I. M. RITCHIE (With 7 Figures)	282
Decision-Making Framework for Management of Dredged Material Disposal C. R. LEE and R. K. PEDDICORD (With 14 Figures)	324
Environmental Management of New Mining Operations	
R.J. Higgins (With 4 Figures)	372
Subject Index	393