Designing the Reclaimed Landscape

Edited by

Alan Berger

Taylor & Francis

Taylor & Francis Croup

LONDON AND NEW YORK

Contents

	Contributors Acknowledgments Introduction Alan Berger	ix xiv xvii
	t I Contextualizing landscape alteration through historic, systemic, and logic perspectives	1
1	Valuing alteration Frederick Turner	3
2	Disturbance ecology and symbiosis in mine-reclamation design Peter Del Tredici	13
3	Gold and the gift: theory and design in a mine-reclamation project Rod Barnett	26
4	Mines and design in their natural context Dorion Sagan	36
5	Ecological succession and its role in landscape reclamation Eric D. Schneider	42
6	Interrogating a landscape design agenda in the scientifically based mining world Belinda Arbogast	52
Par	t II Interdisciplinary responses and opportunities in reclamation	61
7	Science, art, and environmental reclamation: three projects and a few thoughts T. Allan Comp	63

8	The Wellington Oro mine-site cleanup: integrating the cleanup of an abandoned mine site with the community's vision of land preservation and affordable housing Victor Ketellapper	77
9	Building partnerships for post-mining regeneration: Post-Mining Alliance at the Eden Project Caroline Digby	87
10	Community-based reclamation of abandoned mine lands in the Animas River watershed, San Juan County, Colorado William Simon	98
11	Case studies of successful reclamation and sustainable development at Kennecott mining sites Jon Cherry	105
Pari	III Technology, representation, and information in reclamation design	113
12	Digital simulation and reclamation: strategies for altered landscapes Alan Berger and Case Brown	115
13	Open-pit opportunities: pre-mine design strategies Alan Berger and Case Brown	125
14	Reclaiming the woods: trail strategies for the Golden Horseshoe's historic mining roads Alan Berger and Bart Lounsbury	129
15	Real-time coal mining and reclamation: the Office of Surface Mining's Technical Innovation and Professional Services program Billie E. Clark, Jr.	132
Par	t IV Future directions and programs in US reclamation policy and law	139
16	The land revitalization initiative: landscape design and reuse planning in mine reclamation Edward H. Chu	141
17	The legal landscape	154
	Robert W. Micsak	405
	Index	165
	A color plate section appears between pages 122-23	