Saving the Tropical Forests

by JUDITH GRADWOHL and RUSSELL GREENBERG

Preface by Michael Robinson Illustrated by Lois Sloan



CONTENTS

Preface: Beyond Destruction, Success (by Michael H. Robinson)	1,1
Foreword	17
Acknowledgements	21
Part I: The Specter of Deforestation	23
Part II: The Case Studies	53
CHAPTER 1: FOREST RESERVES	57
The Sian Ka'an Biosphere Reserve: Conservation of Forest and Sea, Mexico [1]	70
The Community Baboon Reserve: An Approach to the Conservation of Private Lands, Belize [2]	72
Land Titling and Forest Protection around the Gandoca/Manzanillo Wildlife Refuge, Costa Rica [3]	76
La Amistad Biosphere Reserve, Costa Rica [4]	78
The Kuna Yala Biosphere "Comarca": An Indigenous Application of the Conservation Concept, Panama [5]	81
A Bi-National Approach to the Protection of Indian Lands, Colombia and Ecuador [6]	83
The Cuyabeno Wildlife Production Reserve, Ecuador [7]	85
Manu Biosphere Reserve, Peru [8]	88
Protection and Development in and about Khao Yai Park, Thailand [9]	91
Protecting Wildlife and Watersheds at Dumoga Bone,	
Indonesia [10]	94

A Community-Managed Buffer Zone for a Nature Reserve, Indonesia [11]	96
Korup National Park, Cameroon [12]	99
Chapter 2: SUSTAINABLE AGRICULTURE	102
Lessons from Mayan Agriculture, Central America [13]	110
An Intensive Agricultural System for Forests with Karsted Limestone Areas, Mexico [14]	113
Converting from Beef to Dairy Cattle, Costa Rica [15]	116
Iguana Ranching: A Model for Reforestation, Panama [16]	118
Resource Management by the Kayapó, Brazil [17]	122
Japanese Farming in the Amazon Basin, Brazil [18]	125
Long-term Cultivation of Swidden-Fallows by	
Bora Indians, Peru [19]	127
Market-oriented Agroforestry in the Amazon, Peru [20]	129
Javanese Home Gardens, Indonesia [21]	132
An Extension Service for Shifting Agriculturalists, New Guinea [22]	134
Chapter 3: NATURAL FOREST MANAGEMENT	138
A Sustainable Silvicultural System for Forests,	
Suriname [23]	144
Harvesting the Flood Plain Forests, Brazil [24]	147
Extractive Reserves: A Sustainable Development Alternative for Amazonia, Brazil [25]	149
Natural Forest Regeneration and Paper Production, Colombia [26]	153
Public and Private Cooperation in Protecting and Managing a Tropical Watershed, Colombia [27]	155
Sustained-Yield Management of Natural Forests in the Palcazu Development Project, Peru [28]	157
The Conservation of Oku Mountain Forests for Wildlife, Watershed, Medicinal Plants and Honey, Cameroon [29]	160

Chapter 4: TROPICAL FOREST RESTORATION	163
Agroforestry and Outreach Project, Haiti [30]	167
Growing Forest from Habitat Fragments in	
Guanacaste National Park, Costa Rica [31]	170
Reforestation of Amazonian Bauxite Mines Using Native Species, Brazil [32]	173
Rehabilitation of Damaged Ecosystems in the Amazon Basin,	1,5
Brazil [33]	176
Plan Bosque: Incentives for Planting and Tending	
Trees, Ecuador [34]	177
Xiaoliang Water and Soil Conservation, China [35]	180
The Forest Villages, Thailand [36]	182
Soil Conservation on Steep Tropical Slopes, Philippines [37]	184
Village Forest Project, Uganda [38]	187
Notes	191
Suggested Reading	201
Index	203
Also Available from Island Press	209