Copyright is owned by the Author of the thesis. Permission is given for a copy to be downloaded by an individual for the purpose of research and private study only. The thesis may not be reproduced elsewhere without the permission of the Author.

Factors shaping the availability of state-owned, degraded tropical forests for conservation management by NGOs in Ghana, Kenya and Uganda

A thesis presented in partial fulfilment of the requirements for the degree of Master of Environmental Management

Massey University, New Zealand

Amy Elizabeth Ross

Abstract

Degradation of tropical forests contributes to climate change, loss of biodiversity through habitat reduction and ongoing poverty for people who depend on forest resources. This study investigates the current policy environments governing the use of degraded state forests in Ghana, Kenya and Uganda. The research has been undertaken with a view to assisting A Rocha International, an international NGO, in their evaluation of the potential to establish a community conservation project in one or more of these countries. In order to achieve this aim, two key research questions were posed: 1) How do institutional, social and ecological factors enable or constrain NGOs from achieving community conservation goals?; and 2) To what degree are state-owned, degraded tropical forests available for conservation management by NGOs?

A multiple case study approach was used for the research. Data was gathered through face-to-face and remote interviews, current policy documents and other secondary sources and personal observation during field trips to Ghana and Kenya. Interviews were conducted with conservation NGO staff, forest-adjacent residents, state forestry officials and district forestry services staff. The policy environments of each country were analysed using a modified version of the social structurationist framework.

It was found that the policy environments in Ghana, Kenya and Uganda share many important similarities. Despite the fact that published state policies in all three countries are generally supportive of community conservation initiatives, it is evident that limited policy implementation is likely to have the greatest impact on any proposed project. Socially, pressures on forest governance stemming from corruption, demographic pressures, poverty and energy dependency are common to all three countries. Ecologically, on a broad scale, similar conditions exist across the three countries.

Complexities of land tenure, forest benefits distribution and competing interests of actors in Ghana, Kenya and Uganda, can lead to challenges in developing partnerships

with local stakeholders in a community conservation project. A key lesson emerging from the study is that time and resources should be invested in addressing this issue. If successful, regardless of the published state forestry policy the conservation NGO may be enabled by the stakeholders to achieve its goals and even influence policy. Faithbased organisations may also have some advantages when it comes to building successful working relationships between project stakeholders. Further lessons relevant to conservation NGO work in the African context may be gleaned from the field of development studies.

Acknowledgements

I owe a great debt of thanks to both my New Zealand-based supervisor, Dr Karen Hytten, and to Dr Jeremy Lindsell of A Rocha International who is based in Cambridge, UK, where this thesis was written. Karen has demonstrated remarkable understanding and patience during email and Skype communication across time zones, and has been as encouraging as she is insightful. Jeremy shared his ideas and gave support in addition to his own significant workload, as well as putting up with me during a weeklong trip to Ghana.

I am very grateful to the staff of A Rocha Ghana who supported the project by organising interviews and translating during the field research. A Massey University Travel Grant was a significant help in making the field visit to Ghana possible. I am also thankful for the many other interviewees, A Rocha staff and conservation practitioners who made an invaluable contribution through sharing their time and experiences. I hope this research proves worthy of their effort.

The greatest thanks must go to my husband, Dan, for huge amounts of practical and emotional support given while I worked on this thesis, especially after our baby son, Caleb, arrived in September 2015.

Table of Contents

Abstract	2
Acknowledgements	4
Table of Contents	5
List of Tables and Figures	9
List of Abbreviations	10
Chapter 1: Introduction	11
1.1 Context	11
1.2 Aim and research questions	13
1.3 Rationale for study	14
1.4 Research strategy	16
1.5 Thesis outline	18
Chapter 2: Background	20
2.1 Introduction	20
2.2 Case studies	20
2.2.1 Ghana	22
2.2.2 Kenya	24
2.2.3 Uganda	26
2.3 Outcomes sought by A Rocha International	28
2.3.1 Biodiversity conservation	28
2.3.2 Sustainable livelihoods	29
2.3.3 Climate change mitigation	30
2.3.4 Environmental education	31
2.4 Options for sustainable use of degraded forests	32
2.4.1 Regeneration	32
2.4.2 Climate change mitigation	34
2.4.3 Agroforestry	35
2.4.4 Mixed-mode management	36
2.5 Canclusian	36

Chapter 3: Literature Review	38
3.1 Introduction	38
3.2 The Policy Environment	38
3.3 State forest policies	39
3.3.1 Ghana	40
3.3.2 Kenya	42
3.3.3 Uganda	44
3.4 International influences	47
3.5 Non-Governmental Organisations (NGOs)	48
3.6 Factors that enable or constrain community conservation projects	49
3.6.1 Institutional factors	49
3.6.2 Social factors	53
3.6.3 Ecological factors	55
3.7 Conclusion	56
Chapter 4: Methodology	58
4.1 Introduction	58
4.2 Research design	58
4.2.1 The research questions	58
4.2.2 Case study research	59
4.2.3 Relevant data and collected data	60
4.2.4 Analytical framework	60
4.3 Methods of data collection	61
4.3.1 Interviews	62
4.3.2 Direct observation	67
4.3.3 State policy publications	68
4.3.4 Secondary data	69
4.3.5 Research ethics	69
4.4 Methods of data analysis	70
4.4.1 Introduction to the social structurationist policy analysis framework	70
4.4.2 Advantages and disadvantages of the framework	71
4.4.3 Modifications to the framework made in this study	73
4.5 Limitations	73
4.5.1 Research design limitations	73

4.5.2 Data collection limitations	74
4.5.3 Data analysis limitations	75
4.6 Conclusion	75
Chapter 5. Results and Discussion	76
5.1 Introduction	76
5.2 The Ghanaian Policy Environment	76
5.2.1 Institutional context	76
5.2.2 Social context	84
5.2.3 Ecological context	86
5.3 The Kenyan Policy Environment	89
5.3.1 Institutional context	89
5.3.2 Social context	98
5.3.3 Ecological context	100
5.4 The Ugandan Policy Environment	101
5.4.1 Institutional context	101
5.4.2 Social context	108
5.4.3 Ecological context	110
5.5 Syntheses of findings	110
5.5.1 Ghanaian context	110
5.5.2 Kenyan context	112
5.5.3 Ugandan context	113
5.6 Conclusion	114
Chapter 6. Conclusions and Recommendations	115
6.1 Introduction	115
6.2 General Conclusions	115
6.3 Application of findings for NGOs	118
6.4 Application of findings for A Rocha International	120
6.5 Further research	121
6.6 Conclusion	122
References	124
Appendix One: Historical Policy Development in Ghana, Kenya and Uganda	135
Appendix Two: Organisational Diagrams for State Forestry Authorities in Ghana, Ken	ya and Uganda
	136

Appendix Three: Map of Boumfum Forest Reserve in Kumawu District	.137
Appendix Four: Map of Dome River Forest Reserve in Juaso District	.138
Appendix Five: Map of Chirimfa Forest Reserve in Mampong District	.139
Appendix Six: List of Interviewees	.140

List of Tables and Figures

Table 1.1	Policy documents used in analysis	17
Table 3.1	Issues arising from the literature with relevance to conservation NGC)s in
	Ghana, Kenya and Uganda	57
Figure 2.1	Map of location of case study countries in Africa	21
Figure 4.1	Map of field sites visited in Ghana	63
Figure 4.2	The research party and several FSD staff visiting a concession near	
	Mampong	64
Figure 4.3	Visiting a concession with ARG and FSD Staff	65
Figure 4.4	Interview with a maize farmer	66
Figure 5.1	KFS officers play a game while firewood is carried out of the state for	orest
	reserve unnoticed	96
Figure 5.2	Charcoal is transported by bicycle along a Kenyan road	96

List of Abbreviations

ARG A Rocha Ghana

ARI A Rocha International

ARK A Rocha Kenya

ARU A Rocha Uganda

CBO Community-Based Organisation

CFM Community Forest Management

FAO Food and Agriculture Organisation of the United Nations

FBO Faith-Based Organisation

FMNR Farmer-Managed Natural Regeneration

FSD Forest Services Division (Ghana)

KFS Kenya Forest Service

KFT Kijabe Forest Trust

MTS Modified Taungya System (of agroforestry)

NFA National Forestry Authority (Uganda)

NGO Non-Governmental Organisation

PA Protected Area

PPP Public Private Partnership

REDD+ Reducing Emissions from Deforestation and Forest Degradation (United Nations programme)