# COMMUNITIES, CO-MANAGEMENT AND WORLD HERITAGE: THE CASE OF KOKODA

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## CERTIFICATE OF ORIGINAL AUTHORSHIP

I certify that the work in this thesis has not previously been submitted for a degree nor has it been submitted as part of requirements for a degree except as fully acknowledged within the text.

I also certify that the thesis has been written by me. Any help that I have received in my research work and the preparation of the thesis itself has been acknowledged. In addition, I certify that all information sources and literature used are indicated in the thesis.

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Date:

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# **TABLE OF CONTENTS**

CH	HAPTER ONE: INTRODUCTION	1
1.1	CONSERVATION PARADIGM: THEORETICAL AND METHODOLOGICA	al Underpinnings5
1.2	2 THE KOKODA TRACK CASE STUDY	7
1.3	RESEARCH QUESTIONS	10
1.4	DELIMITATIONS	12
1.5	5 THESIS OUTLINE	13
1.6	SUMMARY	15
СН	HAPTER TWO: LITERATURE REVIEW	16
2.1	THE TRANSFORMATION OF NATIONAL PARKS: PROTECTED AREA	Management 16
2.2	2 RELATIONSHIP BETWEEN NATURE AND CULTURE	18
2.3	GOVERNANCE OF PROTECTED AREAS	20
2.4	WORLD HERITAGE AREAS	25
2	2.4.1 The World Heritage Convention	25
	2.4.1.1 Evolution of World Heritage	26
2	2.4.2 Literature on World Heritage Areas	28
2.5	5 Co-management	32
2	2.5.1 Defining Co-management	33
2	2.5.2 Conceptualising of Co-management	36
	2.5.2.1 Power-sharing	
	2.5.2.2 Institutional Building	38
	2.5.2.3 Trust and Social Capital	39
	2.5.2.4 A Process	39
	2.5.2.5 Problem-solving	39
	2.5.2.6 Governance	40
	2.5.2.7 Knowledge Generation	40
	2.5.2.8 Social Learning	41
2	2.5.3 Moving on from Co-management: Adaptive Co-management	nt
2	2.5.4 Adaptive Co-management and World Heritage Managemen	ıt 52
2	2.5.5 Pacific World Heritage – a testing ground for Adaptive Co-	-Management? 57
2.6	SUMMARY	64
CH	HAPTER THREE: METHODOLOGY	65
3.1	RESEARCH PURPOSE	65
3 2	2 SITUATING THE RESEARCH	66

3.3	Тн	E CASE STUDY AS A DESIGN FRAMEWORK	67
3	3.3.1	Case Study Selection Criteria	69
3.4	Co	NDUCTING THE STUDY	70
3	8.4.1	Contextualising the Study	73
3	3.4.2	Role of the Researcher	74
3.5	RE	SEARCH METHODS	76
3	3.5.1	Interviews	76
3	3.5.2	Focus Group	78
3	3.5.3	Document Evidence	79
3	3.5.4	Data Analysis and Presentation	80
3.6	Po	FENTIAL BIAS	82
3.7	Еті	HICAL CONSIDERATIONS	83
3.8	SU	MMARY	84
СН	APT	ER FOUR: FINDINGS AND DISCUSSION	85
4.1		RT 1: LOCAL MANAGEMENT: CUSTOMARY LANDOWNERSHIP OF THE TRACK	
	4.1.1	Legislation and who owns The Track?	
	1.1.2	Landownership and Communities of the Track	
	1.1.3	Community Management of the Track	
	1.1.4	Summary	
4.2		RT 2: STAKEHOLDERS IN REGIONAL MANAGEMENT: THE INFLUENCE OF TOU	
		RACK	
		Conceptualising The Track	
		Tourism Intermediaries and their role along the Track	
	1.2.3	Sustainable Development and Philanthropy Improving Community Live.	
,	.2.5	Sustainate Development and I maintain opy Improving Community Erro	
4	1.2.4	The Social Effects of Community-Based Tourism	
	1.2.5	The Management Authority and their Perception in the Community	
	1.2.6	Summary	
4.3		RT 3: NATIONAL MANAGEMENT: VALUES AND INTERNATIONAL PROTECTION	
		CK	
	1.3.1	Joint Understanding: Partners in National Level Management	
	1.3.2	The Government's role and priorities in Managing the Track	
	1.3.3	International Stakeholders and PNG's Obligations	
	1.3.4	Challenges for National Management	
		Summary	152

4.4	CONCLUSION	153
СН	APTER FIVE: INTERPRETATION, DISCUSSION AND IMPLICATIONS	S 154
5.1	THEORETICAL DISCUSSION: HORIZONTAL AND VERTICAL CO-MANAGEMENT	155
5.	.1.1 Local Level Co-Management	157
5.	.1.2 Regional Level Co-Management	161
5.	.1.3 National Level Co-Management	169
5.	.1.4 Understanding Adaptive Co-Management as Governance for the Kokoda	
$T_{i}$	rack	175
5.2	OUTCOME AND IMPLICATIONS OF THE CASE STUDY: THE ROLE OF TOURISM	180
5.3	IMPLICATIONS FOR THEORY AND PRACTICE	183
5.4	Addressing the Research Questions	186
5.5	SUGGESTIONS FOR FURTHER RESEARCH	189
5.6	CONCLUSION	192
APPE	NDIX A. INTERVIEW SCHEDULE	194
APPE	NDIX B. INFORMATION SHEET AND CONSENT FORM	195
REFE	RENCES	197

# **TABLE OF FIGURES**

FIGURE 1: PACIFIC WORLD HERITAGE TIMELINE
FIGURE 2: MAP OF KOKODA TRACK
FIGURE 3: ADAPTIVE CO-MANAGEMENT AS GOVERNANCE
TABLE OF TABLES
TABLE 1: IUCN CATEGORIES OF PROTECTED AREAS2
TABLE 2: CHARACTERISTICS OF PROTECTED AREAS
TABLE 3: WORLD HERITAGE LITERATURE SUMMARY
TABLE 4: FACES OF CO-MANAGEMENT EXAMPLES4
TABLE 5: EVIDENCE OF THE CONCEPTUALISATIONS OF CO-MANAGEMENT FROM THE
Great Barrier Reef World Heritage Area
TABLE 6: TOTAL NUMBER OF PARTICIPANTS BY LOCATION
TABLE 7: UNDERSTANDING EXISTING CO-MANAGEMENT AT THE LOCAL LEVEL THROUGH
Berkes' Conceptualisations
TABLE 8: UNDERSTANDING EXISTING CO-MANAGEMENT AT THE REGIONAL LEVEL USING
Berkes' Conceptualisations
TABLE 9: UNDERSTANDING EXISTING CO-MANAGEMENT AT THE NATIONAL LEVEL USING
Berkes' Conceptualisations

### **ABSTRACT**

This thesis examines co-management as a tool for exploring collaboration between stakeholders in the environmental management of natural resources. In particular, it explores how traditional landownership practices in Papua New Guinea (PNG) influence stakeholder collaboration. The research considers how co-management contributes to the development of tourism and the process of developing a protection policy required for the nomination of a World Heritage Area (WHA). The potential WHA used for this research is the Kokoda Track and Owen Stanley Ranges, PNG.

There is existing research on the changing role and legitimisation of local residents and resource users as key stakeholders in protected area management. This change can be seen in the shifting focus of international conventions and treaties, such as the World Heritage Convention (the Convention). The Convention has evolved since its inception and now recognises the need to understand the relationship between nature and culture and consequently seeks ways to create a space for the voice of the local. As a consequence, participatory approaches to conservation are reforming global protected area management. However, the research and literature reviewed in this thesis identifies that the process of engaging these key stakeholders meaningfully remains a challenge for those engaged in the management of natural resources. This appears to be particularly true where there are issues related to community-based property rights and common-pool resource use which do not fit into the pre-determined legislative frameworks of global protected area management such as World Heritage listing. Here the theory of co-management is applied to the case of the Kokoda Track WHA listing process in an effort to understand the interplay between traditional landownership practices and decentralised approaches to environmental management.

A qualitative research design was employed in this thesis incorporating informal interviews, document evidence and a focus group. The approach employed in the research considers that co-management is a process of managing relationships as much as managing resources. Therefore, an in-depth understanding of stakeholders and their relationships is pursued. The participants in this research included customary landowners of the Kokoda Track, as well as government and non-government participants, the local management authority and tourism operators. The research

findings suggest that the process of co-managing natural resources for subsistence livelihoods and tourism is a highly social and political process. It appears the success of tourism development on the Kokoda Track has been in most part due to the management of relationships between customary landowners and other stakeholders. The continuation of customary landownership, as a community-based legal system that is central to tourism, has ensured the voice of the local plays a part in ongoing management of the trekking industry.

Based on case study findings, a framework for exploring stakeholder collaboration in complex arenas was devised using Berkes' (2008) conceptualisations of comanagement. This was then used to explore if customary landownership has contributed to enabling the voice of the local in the process of developing a nomination for WHA listing. The framework allows an exploration of both the *what* (the ends) and the *how* (the means) of co-management within the context of the Kokoda Track as a dynamic social-ecological arena. This process has revealed how social processes of managing the Kokoda Track for subsistence livelihoods and tourism sit within local level social structures which appear to emerge from tradition and custom. Hence, the case study provides insight into the complexities of negotiating development and conservation activities on land that is held constitutionally through customary landownership.

This thesis contributes evidence of how an understanding of the complexities of property rights, specifically community-based legal systems in countries like PNG, can contribute to decentralised approaches to working with local level stakeholders. This coincides with a current push for the inclusion of rights-based approaches to environmental management and conservation, ensuring social justice becomes a fundamental element in the process of establishing WHAs. With the movement towards elevating the rights of humans to the same level as that of nature protection, this thesis contributes specifically to how co-management might be used in the listing process of World Heritage and more broadly to the emerging dialogue of international biodiversity conservation and community values.

## LIST OF PUBLICATIONS ARISING FROM THIS THESIS

Since research commencement the following papers and presentations have been published on different aspects of this study:

**Reggers**\*, A., Schweinsberg, S. & Wearing, S. (in press) Understanding stakeholder values in co-management arrangements for protected area establishment on the Kokoda Track, Papua New Guinea. *Journal of Park and Recreation Administration* (Managing Global Protected Areas, Special Edition).

**Bott**, A.L. (2012) Working towards World Heritage: Examining the Kokoda Track, Papua New Guinea, UNITWIN Network Conference Libreville, 1–8 June 2012.

**Bott**, A.L., Grabowski, S., & Wearing, S.L (2011). Stakeholder collaboration in a prospective World Heritage Area: The case of Kokoda and the Owen Stanley Ranges'. *Cosmopolitan Civil Societies: An Interdisciplinary Journal*, *3*(2), 35-54.

**Bott**, A,L., & Wearing, S. (2011) Exploring new paradigms: the evolving relationship between protected area management, tourism and communities in World Heritage, ISA-RC50/ITSA Conference Shangri-La, 8-12 August 2011.

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<sup>\*</sup> The author's name changed throughout the PhD process.

## **GLOSSARY**

For the purpose of this thesis the following definitions are used.

**Customary Landownership**: 'the term "Customary Land" refers to land that is not state land and is owned by the Indigenous People of Papua New Guinea whose ownership rights and interest is regulated by their customs' (Department of Lands and Physical Planning 2005)

**Governance**: 'is viewed as a social process that is used by society to guide relationships between a protected area agency and its constituencies as they go about articulating their interests, exercising their rights, meeting their social obligations, and mediating their differences' (Nkhata & Breen 2010, p. 404)

**Tentative World Heritage List**: this is a list that is created by a State Party to the World Heritage Convention and 'the tentative list is a planning tool that documents the location, description and values of an area, and compares it with other similar properties' (Rao 2010, p. 164) for the processing of planning for nomination of a World Heritage Site.

## LIST OF ABBREVIATIONS

CBNRM Community Based Natural Resource Management

CPR Common Pool Resources

DEC Department of Environment and Conservation

DSWEPaC Department of Sustainability, Water, Environment, Populations

and Communities

ICDP Integrated Conservation Development Projects

IUCN International Union for Conservation of Nature

KDP Kokoda Development Program

KI Kokoda Initiative

KTA Kokoda Track Authority

KTF Kokoda Track Foundation

NRM Natural Resource Management

PNG Papua New Guinea

WHA World Heritage Area

WHC World Heritage Committee

UNESCO United Nations Educational, Scientific and Cultural Organisation