



## CHAPTER 10

<b>CONCLUSIONS AND RECOMMENDATIONS .....</b>	<b>161</b>
INTRODUCTION .....	161
OVERALL IMPACT OF THE CBNRM PROGRAMME .....	162
CBNRM AND LIVELIHOODS IN CAPRIVI AND KUNENE .....	163
<i>Current benefit streams and support for livelihoods .....</i>	<i>163</i>
<i>Existing livelihoods, security and diversification .....</i>	<i>167</i>
<i>Difference and wealth .....</i>	<i>167</i>
<i>Addressing support to existing livelihoods .....</i>	<i>168</i>
<i>Critical factors that affect livelihoods: conservancies, institutions and governance .....</i>	<i>169</i>
POLICY, LEGISLATION AND INSTITUTIONS .....	172
FINAL REMARKS .....	173

## ANNEXES

ANNEX 1 BIBLIOGRAPHY .....	177
ANNEX 2 PROJECT LOG FRAME .....	185
ANNEX 3 METHODOLOGY .....	189
ANNEX 4 SATISFACTION INDEX ANALYSIS .....	269
ANNEX 5 LIST OF PROJECT OUTPUTS .....	285
ANNEX 6 LIST OF PROJECT PARTNERS .....	289

## LIST OF TABLES

Table 1	Registered communal area conservancies
Table 2	Local jobs from communal area tourism, by region
Table 3	Wildlife sightings recorded for Kunene 2001-2003
Table 4	Comparison of policy intentions, legal provisions and implementation of Namibia's communal area conservancy approach
Table 5	Trophy hunting income 1999-2003
Table 6	Summary of sampling size data for WILD/EEU survey
Table 7	Annual income of (income-earning) household members in Caprivi
Table 8	Caprivi: Average household incomes from different sources
Table 9	Differences between wealth-ranked groups in Caprivi
Table 10	Caprivi: Differentiation and the conservancy
Table 11	Kunene: Average household incomes from different sources
Table 12	Annual income of (income-earning) households in Kunene and Erongo
Table 13	Differences between wealth-ranked groups in Kunene and Erongo
Table 14	Kunene: Differentiation and the conservancy
Table 15	Kunene and Erongo Regions: Natural resources – contribution to incomes and livelihoods (n=619)
Table 16	Caprivi Region: Natural resources – contribution to incomes and livelihoods (n=496)
Table 17	Kunene and Erongo Regions: Wildlife and non-wildlife users livelihood profiles compared (n=619)
Table 18	Caprivi Region: Wildlife users and non-users' livelihood profiles compared (n=496)
Table 19	Commonly hunted species, as observed by Community Rangers
Table 20	Monthly pursuit rates – hunters, Kunene sample
Table 21	Selected changes recorded by respondents in Torra and ≠Khoadi //Hôas
Table 22	Current and future expected roles and responsibilities of CGGs and Environmental Shepherds
Table 23	Wildlife-human population ratios in Torra and ≠Khoadi //Hôas
Table 24	Positive and negative aspects of community hunting and meat distribution, Torra and ≠Khoadi //Hôas
Table 25	Estimated total value of stock losses in Caprivi 1996-2001
Table 26	Stock predation for three-month period preceding the 2002 survey
Table 27	Priority ranking of species for HWC: problem frequency and scale of damage
Table 28	HWC species, damaged caused, livelihood impacts and management options
Table 29	Crop production and loss data for Kwandu and Mayuni Conservancies
Table 30	MET and conservancy attempts to deal with HWC
Table 31	Summary of collective and individual financial and non-financial benefits and costs of CBT documented by WILD



Table 32	Income generated by tourism in Caprivi, Kunene and Erongo Regions, 2001
Table 33	Local factors affecting successful community participation in tourism in communal areas
Table 34	Conservancy advantages and disadvantages
Table 35	Overlapping authorities for NRM in ≠Khoadi //Hôas Conservancy

### LIST OF FIGURES

Figure 1	Communal area conservancies in Namibia
Figure 2	Summary of CBNRM programme benefits for 2003
Figure 3	Livelihoods framework
Figure 4	Caprivi conservancies and protected areas
Figure 5	Kunene conservancies and protected areas
Figure 6	WILD research components
Figure 7	Current structure of NACSO
Figure 8	Individual and conservancy income for select conservancies, 2003
Figure 9	Torra income breakdown (conservancy)
Figure 10	Torra income breakdown (individual incomes from wages)
Figure 11	CBNRM employment by sector for 2003
Figure 12	Distribution of gross income from tourism in the communal areas of Kunene, Erongo and Caprivi in 2001
Figure 13	Secure Caprivi household: Sources of income
Figure 14	Secure Caprivi household: Expenditures
Figure 15	Secure Caprivi household: Sources of food
Figure 16	Vulnerable Caprivi household: Sources of income
Figure 17	Secure Kunene household: Sources of income
Figure 18	Secure Kunene household: Sources of food
Figure 19	Secure Kunene household: Expenditures
Figure 20	Vulnerable Kunene household: Sources of income
Figure 21	Vulnerable Kunene household: Sources of food
Figure 22	Vulnerable Kunene household: Expenditures
Figure 23	Caprivi Region: Wildlife use as food and income
Figure 24	Most frequently pursued species in Torra and ≠Khoadi //Hôas
Figure 25	Caprivi sample: Species hunted over a six-week period
Figure 26	Hunting methods reported for Caprivi
Figure 27	Hunting techniques in Torra and ≠Khoadi //Hôas compared
Figure 28	Shifts in hunting or harvesting methods cited by Torra and ≠Khoadi //Hôas respondents
Figure 29	Species received versus preferred species in Torra and ≠Khoadi //Hôas
Figure 30	Timing of distribution
Figure 31	Perceived fairness of the meat distribution process in Torra and ≠Khoadi //Hôas
Figure 32	Number of each type of HWC incident, by year, 1996-2001
Figure 33	Number of HWC incidents by species – MET records Caprivi, 2001
Figure 34	Enterprise expansion in the communal areas
Figure 35	Estimated distribution of income for a conservancy campsite staff member in Caprivi
Figure 36	Estimated distribution of expenditure for a conservancy campsite staff member in Caprivi
Figure 37	Positive livelihood outcomes from tourism
Figure 38	Elements required for improving livelihood outcomes from CBT
Figure 39	Satisfaction results for Caprivi conservancies
Figure 40	Satisfaction results for Kunene and Erongo conservancies
Figure 41	Organisational structure of Salambala Conservancy
Figure 42	Organisational structure of Mayuni Conservancy



# List of Acronyms

Figure 43	Organisational structure of ≠Khoadi //Hôas Conservancy
AGM	annual general meeting
APU	Anti-poaching Unit
BED	business and enterprise development
CAMPFIRE	Communal Areas Management Programme for Indigenous Resources
CBNRM	Community Based Natural Resource Management
CBT	community-based tourism
CCF	Cheetah Conservation Foundation
CDC	Constituency Development Committee
CGG	Community Game Guard
CMWG	Co-management Working Group
CRIAA SA-DC	Centre for Research, Information and Action in Africa: Southern Africa Development and Consulting
CRM	Community Resource Monitor
CSD	CBNRM Subdivision
CSL	Chobe Savanna Lodge
DBAD	Department for Bantu Administration and Development
DEA	Directorate of Environmental Affairs
DFID	Department for International Development
DNC	Department for Nature Conservation
DoF	Directorate of Forestry
DoT	Directorate of Tourism
DPWM	Directorate of Parks and Wildlife Management
DRWS	Directorate of Rural Water Supply
EDF	European Development Fund
EEU	Environmental Economics Unit
ES	Environmental Shepherd
EU	European Union
EWT	Endangered Wildlife Trust
FIRM	Forum for Integrated Resource Management
GDP	gross domestic product
GFU	Grootberg Farmers' Union
GIS	Geographical Information Systems
GPTF	Game Product Trust Fund
GRN	Government of the Republic of Namibia
HACCS	Human Animal Conflict Compensation Scheme
HDI	Human Development Index
HPI	Human Poverty Index
HWC	human-wildlife conflict
IDWG	Institutional Development Working Group
IIED	International Institute for Environment and Development
IRDNC	Integrated Rural Development and Nature Conservation
IUCN	The World Conservation Union
LAC	Legal Assistance Centre
LIFE	Living in a Finite Environment
LSU	large stock unit
MAWRD	Ministry of Agriculture, Water and Rural Development
M and E	Monitoring and Evaluation
MET	Ministry of Environment and Tourism



MLRR	Ministry of Lands, Resettlement and Rehabilitation
MOV	Means of Verification
MRCC	Multi-disciplinary Research and Consultancy Centre
MRLGH	Ministry for Regional and Local Government and Housing
MWCT	Ministry of Wildlife Conservation and Tourism
NACOBTA	Namibia Community-based Tourism Association
NACSO	Namibia Association of CBNRM Support Organisations
NAMPOL	Namibia Police
NAPCOD	Namibia's Programme to Combat Desertification
NDP	National Development Plan
NDT	Namibia Development Trust
NEPAD	New Partnership for African Development
NEPRU	Namibia Economic and Policy Research Unit
NGO	non-governmental organisation
NNDF	Nyae Nyae Development Foundation
NNF	Namibia Nature Foundation
NRM	natural resource management
NWR	Namibia Wildlife Resorts
NWT	Namibia Wildlife Trust
ODI	Overseas Development Institute
OPR	Output to Purpose Review
OUZIT	Okavango/Upper Zambezi International Tourism Initiative
OVI	Objective Verifiable Indicators
PAC	problem animal control
PPT	pro-poor tourism
PTO	Permission to Occupy
RDC	Regional Development Committee
RF	Rössing Foundation
RISE	Rural Institute for Social Empowerment
RNR	renewable natural resources
RWMA	Rural Water Management Agencies
RWS	Rural Water Supply
RWUA	Rural Water Use Associations
SADF	South African Defence Force
SASUSG	Southern African Sustainable Use Specialist Group
SIAPAC	Social Impact and Policy Assessment Centre
SME	small and medium enterprises
SWAA	South West African Administration
SWAPO	South West African People's Organisation
TBNRM	Transboundary Natural Resource Management
TCL	Twyfelfontein Country Lodge
TFCA	Transfrontier Conservation Area
UDF	United Democratic Front
UNAM	University of Namibia
USAID	United States Agency for International Development
VDC	Village Development Committee
WILD	Wildlife Integration for Livelihood Diversification
WMA	Water Management Agencies
WWF	Worldwide Fund for Nature