TABLE OF CONTENTS

	Page
Acknowledgements	iii
Abstract	V
Thai Abstract	vii
List of Tables	xii
List of Maps, Figures and Photos	xiii
CHAPTER I INTRODUCTION	
1.1 Background and Rationale	1
1.1.1State Policy Impacts on Local Natural Resource Management	1
1.1.2Water Resource Management in China	5
1.1.3 Water Resource Management in Guizhou Province	7
1.1.4Kuan Institution of Dong People	8
1.2 Research Questions	12
1.3 Objectives	12
1.4 Organization of the Thesis	13
CHAPTER II LITERATURE REVIEW	
2.1 Institutional Sustainability for Community-based Natural	
Resource Management	15
2.2 Legitimation of Power	22
2.2.1 Shared Norms and Values	22
2.2.2 Procedural Element	25
2.2.3 Performance and Consent Element	26
2.2.4 Accountability	27
	2,
CHAPTER III RESEARCH DESIGNS AND METHOD	
3.1 Conceptual Framework	32
3.2 Methods of the Study	36
3.3 Steps of the Study	41
one dispersion that better	• •
CHAPTER IV ZENGCHONG VILLAGE AS DYNAMIC COMMUNIT	Y
4.1 Physical Background and Customs of Zengchong Village	44
4.2 The History of Zengchong Village	51
4.2.1 Clan Stage	52
4.2.2 Class Stage	54
4.2.3 Collective Stage	58
4.2.4 Household Stage	60
4.3 Changes in Local Community	61
4.4 Changes in Local Livelihood	66

CHAPTER V THE DEVELOPMENT OF KUAN AND MULTIFU	NCTION
WATER UTILIZATION IN ZENGCHONG VILLAGE	
5.1 Changing Social Context of Kuan and the Reconstruction of Loca	l Law
	72
5.2 Dynamic Water Utilization	82
5.2.1 Changes in Irrigation Management	82
5.2.2 The Complex Practice of Fishery Management	89
5.2.3 Water for Domestic Use and Others	93
CHAPTER VI HISTORICAL ANALYSES OF LEGITIMATION OF	POWER
IN LOCAL WATER RESOURCE MANAGEMENT	
6.1 Clan Stage	96
6.1.1 Structure of Power and Interest	97
6.1.2 Rules Making and Performance	101
6.1.3 Accountability	102
6.1.4 Legitimacy through Four Levels Institutional Practice	103
6.1.5 Legitimacy Impacted by Other Kuan Practices	104
6.2 Class Stage	105
6.2.1 Structure of Power and Interest	106
6.2.2 Rules Making and Performance	108
6.2.3 Accountability	109
6.2.4 Legitimacy through Four Levels Institutional Practice	110
6.2.5 Legitimacy Impacted by Government and Market	110
6.3 Collective Stage	111
6.3.1 Structure of Power and Interest	111
6.3.2 Rules Making and Performance	113
6.3.3 Accountability	114
6.3.4 Legitimacy through Four Levels Institutional Practice	114
6.3.5 Legitimacy Impacted by High-level Government	115
6.4 Household Stage	115
6.4.1 Structure of Power and Interest	115
6.4.2 Rules Making and Performance	122
6.4.3 Accountability	124
6.4.4 Legitimacy through Four Levels Institutional Practice	125
6.4.5 Legitimacy Will Be Impacted by Government and Market	126
6.5 Institutional Change	127
CHAPTER VII CONCLUSION AND RECOMMENDATION	
7.1 Major Findings of the StudyInstitutional Sustainability	133
7.1.1 In Each Stage	133
7.1.2 From a Holistic Point View	135
7.2 Theoretical Discussion of the Findings	139

commendation for Further Study

.

LIST OF TABLES

Table	Page
Table 4-1 Schedule of Main Productive Activities and Customs in Zengcho	
Village	50
Table 4-2 The List of Landowners in the Later of MingGuo Period	56
Table 4-3 Households, Population and Land Areas	63
Table 4-4 Different Surname Households Join into Four Clans	64
Table 4-5 The Four Clans Divided into Six Villager's Groups	65
Table 4-6 The Different Surname Households Divided into Six Villager's G	roups
	65
Table 4-7 Main Agricultural Activities Arranged by Zengchong Villagers in	2002
	66
Table 4-8 Economic Differences in Zengchong Village	67
Table 4-9 The Calendar of the Main Crops in Zengchong Village and Their	Location
	68
Table 6-1 Institutional Changes	128

xiii

LIST OF MAPS, FIGURES AND PHOTOS

Maps, Figu	ires and Photos	Page
Map 3-1	The Location of the Study Site	37
Map 4-1	Village Map	47
Map 4-2	The Location of Six Small Productive Team and Their River Sec	tions
		59
Map 5-1	The Location of Four Clans and Their River Sections	74
Figure 3-1	Legitimacy of Dong People's Water Resource Management	34
Figure 4-1	Traditional Administrative System of Dong	62
Photo 4-1	Landscape of Zengchong Village	45
Photo 4-2	Ecological Distribution of Natural Resource	45
Photo 4-3	Drum Tower	49
Photo 5-1	Canal	86
Photo 5-2	Jian(Flume)	87
Photo 6-1	Repair Canal as a Group	121
Photo 6-2	Fence Used by Villager to Clean Water	122
Photo 7-1	Drum Tower and Roofed Bridge in Zengchong Village	137