TABLE OF CONTENTS

DECI	LARATION	i
ABS	ΓRACT	ii
DEDICATION		
ACKNOWLEDGEMENTS		
CHA	PER 1: INTRODUCTION	1
1.1.	Rationale	1
1.2.	Aim and Objectives	2
1.3.	Study Area	3
1.4.	Background to the case study	4
1.4.1.	The Social Setting	4
1.4.2.	Environmental Education	4
1.4.3.	Education for Black people	6
1.5.	Outline of Chapters	7
СНА	PTER 2: RESEARCH METHODOLOGY	9
2.1.	Research Design	9
2.2.	Research Approach	9
2.3.	Interviews	10
2.4.	Data Sampling	12
2.5.	Data Analysis	12
2.5.1.	Developing themes	13
2.5.2.	Other themes	13
2.5.3.	Presenting and Analysing Data	13
2.6.	Summary	14

CHAPTER 3: LITERATURE REVIEW		15	
3.1.	Environmental Education in the 1970s	16	
3.1.1.	The Stockholm Conference (1972)	16	
3.1.2.	Belgrade Charter (1975)	17	
3.1.3.	Tblisi Principles (1977)	18	
3.1.4	Paradigm Shift to Education "about"		
	the Environment	19	
3.1.5.	Education Pedagogy and Teaching methodology	19	
	a) Behaviourism	19	
	b) Positivism	20	
3.2.	Environmental Education in the 1980s	22	
3.2.1.	World Conservation Strategy (1980)	22	
3.2.2.	World Commission on Environment and Development (1987)	23	
3.2.3.	Paradigm Shift to Education "in" the		
	Environment	24	
3.2.4.	Education Pedagogy and Teaching methodology	25	
	a) The interpretivist approach	25	
3.3.	Environmental Education in the 1990s	26	
3.3.1.	The Rio Summit (1992)	26	
3.3.2.	Paradigm Shift to Education "for" the Environment	27	
3.3.3.	Education Pedagogy and Teaching methodology	28	
	a) The critical Social approach		
3.4.	Environmental Education in the 2000s	29	
3.4.1.	Johannesburg World Summit (2002)	29	
3.4.2.	UN Decade for Environmental Education (2005-2015)	30	
3.4.3.	Paradigm Shift to Sustainability Education	31	

3.4.4.	Education Pedagogy and Teaching methodology	32
a) The social constructivist perspective		32
3.5.	South Africa	34
3.6.	Summary	36
СНА	37	
4.1.	A framework for Analysis	37
4.2.	The Social Critical Theory	38
4.3.	Research Background	39
4.3.1.	National Environmental Policies	39
4.3.2.	Gauteng Department of Education	41
4.3.3.	Other government departments	44
4.3.4.	Inferences and Deductions	45
4.4.	Summary	46
СНА	PTER 5: RESEARCH ANALYSIS AND DISCUSSION	47
СНА	PTER 5: RESEARCH ANALYSIS AND DISCUSSION	47
CHA 5.1.	PTER 5: RESEARCH ANALYSIS AND DISCUSSION The Environmental Education Policy	47
5.1. 5.2.	The Environmental Education Policy	47
5.1.5.2.5.2.1.	The Environmental Education Policy Systemic Dysfunction	47 49
5.1.5.2.5.2.1.	The Environmental Education Policy Systemic Dysfunction At the Provincial Level	47 49 49
5.1.5.2.5.2.1.5.2.2.5.2.3.	The Environmental Education Policy Systemic Dysfunction At the Provincial Level At the District Level	47 49 49 51
5.1.5.2.5.2.1.5.2.2.5.2.3.	The Environmental Education Policy Systemic Dysfunction At the Provincial Level At the District Level Environmental Education School Policy Pack	47 49 49 51 53
5.1.5.2.5.2.1.5.2.2.5.2.3.	The Environmental Education Policy Systemic Dysfunction At the Provincial Level At the District Level Environmental Education School Policy Pack Poor link between environmental institutions and schools	47 49 49 51 53 55
5.1.5.2.5.2.1.5.2.2.5.2.3.	The Environmental Education Policy Systemic Dysfunction At the Provincial Level At the District Level Environmental Education School Policy Pack Poor link between environmental institutions and schools a) Psychological footprint	47 49 49 51 53 55 55
5.1.5.2.5.2.1.5.2.2.5.2.3.	The Environmental Education Policy Systemic Dysfunction At the Provincial Level At the District Level Environmental Education School Policy Pack Poor link between environmental institutions and schools a) Psychological footprint b) The shift in environmental perspective	47 49 49 51 53 55 55 56
5.1.5.2.5.2.1.5.2.2.5.2.35.2.4.	The Environmental Education Policy Systemic Dysfunction At the Provincial Level At the District Level Environmental Education School Policy Pack Poor link between environmental institutions and schools a) Psychological footprint b) The shift in environmental perspective c) Delta Environmental Centre	47 49 49 51 53 55 55 56 57
5.1.5.2.5.2.1.5.2.2.5.2.35.2.4.	The Environmental Education Policy Systemic Dysfunction At the Provincial Level At the District Level Environmental Education School Policy Pack Poor link between environmental institutions and schools a) Psychological footprint b) The shift in environmental perspective c) Delta Environmental Centre Further Analysis	47 49 49 51 53 55 55 56 57 60

	b) Environmental Education in the School Curriculum	62
5.4.	Limitations of the Research	66
5.5.	Summary	66
CH	APTER 6: CONCLUSION	67
6.1. (Conclusion	67
6.2. 1	Recommendation	68
6.3. 1	References	73
APF	PENDICES	
Appe	andix A: Fieldwork Guiding Questions to schools	83
Appe	andix B: Discussion Question for government departments	86
Appe	andix C: Discussion Questions for the Delta Education Centre	88
Appe	andix D: Extracts from Landmark International Conferences	90
Appe	andix E: Revised National Curriculum Statement	92
Map)	
Мар	1: Township map with reference to Soweto	3
PLA	TES	
Pictu	re 1:Serious Environmental problems in Soweto	5
Pictu	re 2: Soweto: Typical housing in Orlando	6
LIS'	T OF FIGURES	
Fig 5	5.2.2. Gaps in Environmental Management in the Gauteng Region	52
Fig 5	5.3.2.OBE Curriculum Framework In EE teaching Approach	65

LIST OF ACRONYMS AND ABBREVIATIONS

C2005 : Curriculum 2005

CEE : Council for Environmental Education

DACEL : Department of Agriculture, Conservation, Environment and Land

Affairs

DBSA : Development Bank of Southern Africa
DET : Department of Education and Training

EE : Environmental Education

EEASA : Environmental Education Association of Southern Africa

EECI : Environmental Education Curriculum Initiative

GDE : Gauteng Department of Education

GICD : Gauteng Institute of Curriculum Development

IEEPS: International Environmental Education Policy Strategy

IUCN: International Union for Conservation of Nature and Natural

Resources

NCF : National Curriculum Framework

NCS : National Curriculum Statement

NECC : National Education Coordinating Committee

NEEC : National Environmental Education Council

NEEP : National Environmental Education Policy

NEEP-GET: National Environmental Education Policy and General Education

And Training

NEEPI : National Environmental Education Policy Initiative

NEMA : National Environmental Management Act

NEPA : National Environmental Policy Act

NEPI : National Education Policy Initiative

NPB : Natal Parks Board

OBE : Outcomes Based Education

RDP : Reconstruction and Development Programmes

RNCS : Revised National Curriculum Statement

SEEP : School Environmental Education Policy

SEPP : School Environmental Policy Plan

STATS SA: Statistics South Africa

UNCED : United Nations Council on Environment and Development

UN-DESD: United Nations Decade of Education for Sustainable Development

UNEP : United Nations Environmental Programme

UNESCO: United Nations Educational, Scientific and Cultural Organisation

WASA : Wildlife Association of South Africa

WCED : World Commission on Environment and Development

WCS : World Conservation Strategy

WDEE : World Decade for Environmental Education

WSSD : World Summit on Sustainable Development

WWF : World Wildlife Fund