

# Contents

<b>1</b>	<b>Introduction</b>	1
1.1	Impact of River Control	3
1.1.1	Environmental Impacts	3
1.1.2	Social Impacts	5
1.1.3	Economic Impacts	6
1.1.4	Increased Risk	7
1.2	River Control in India: From Bhakra to Narmada	9
1.2.1	History	10
1.2.2	Provincial Disputes	11
1.2.3	Social Opposition	13
1.3	Research Question	16
1.3.1	Technological Hydroscares	16
1.3.2	Expert Knowledge	18
1.3.3	Area of Focus	19
1.3.4	Derivatives of the Main Question	20
1.4	Relevance of Approach	21
1.4.1	Empirical Gaps	22
1.4.2	Theoretical Gaps	23
1.5	Structure	24
	References	26
<b>2</b>	<b>Analytical Approaches to River Control</b>	31
2.1	The World Commission on Dams	32
2.1.1	Origin	32
2.1.2	Process	32
2.1.3	Response	33
2.1.4	WCD in Retrospect	34
2.2	Bhakra–Nangal Project: Temple or Dam?	35
2.2.1	Historical Background	36
2.2.2	Dams and the Green Revolution	38
2.2.3	Dams as Discourse	39

2.3	Political Ecology as an Analytical Approach .....	40
2.3.1	Antecedents .....	41
2.3.2	Poststructural Political Ecology .....	42
2.3.3	Interdisciplinarity .....	43
2.3.4	Approaches Relevant to River Control .....	45
2.4	Foucauldian Political Ecology .....	49
2.4.1	Ecology and Knowledge .....	50
2.4.2	Knowledge and Political Economy .....	51
2.4.3	Knowledge, Government and the Subject .....	52
	References .....	55
<b>3</b>	<b>Genealogy of the Hydraulic Mission .....</b>	<b>61</b>
3.1	Spatiality of Knowledge .....	64
3.2	Genesis of the Hydraulic Mission .....	66
3.2.1	Theological Underpinnings .....	69
3.2.2	Tropical Nature .....	70
3.2.3	Environmental Determinism .....	72
3.3	Flows of Knowledge .....	73
3.3.1	Tennessee Valley Authority as a Model .....	74
3.3.2	Geopolitics and Bhakra.....	78
3.4	Spatial Contradictions of the Hydraulic Mission .....	79
3.4.1	Placeless Origins.....	80
3.4.2	Universal Replicability .....	80
3.4.3	Ahistorical Development .....	82
3.4.4	Nationalised Environments.....	82
3.5	Conclusion: Dams as an Anapism .....	83
	References .....	86
<b>4</b>	<b>Governmentality of River Embankment .....</b>	<b>93</b>
4.1	Flood Control in Bihar .....	94
4.1.1	Background .....	95
4.1.2	Kosi River .....	97
4.2	Background of Kosi Embankment .....	98
4.2.1	History .....	98
4.2.2	Construction .....	99
4.2.3	Breaches.....	100
4.2.4	Between the Embankments.....	100
4.2.5	Adjacent to the Embankment .....	103
4.2.6	Protected Area .....	105
4.2.7	Adaptation and Resistance .....	106
4.3	Government of the River.....	107
4.3.1	Hydraulic Hypothesis.....	107
4.3.2	Abstraction and Legibility.....	109
4.3.3	Governmentality .....	110

4.3.4	Security of the Population .....	111
4.3.5	Governmental Rationality .....	112
4.4	Conclusion .....	114
	References .....	117
<b>5</b>	<b>Subjectivity in Expert Advocacy .....</b>	<b>121</b>
5.1	Expertise and River Control .....	123
5.1.1	Expert Advocacy .....	124
5.1.2	Selected Experts .....	126
5.1.3	Overview of Selection .....	129
5.2	Significant Subjective Elements .....	131
5.2.1	Social Background .....	131
5.2.2	Professionalisation .....	131
5.2.3	Imagined Territory .....	133
5.2.4	Epistemic Paternalism .....	135
5.2.5	Dynamic Positions .....	135
5.3	Dissent and Tradition .....	139
5.4	Implications of Subjectivity .....	142
5.5	Conclusion .....	144
	References .....	145
<b>6</b>	<b>Conclusion .....</b>	<b>149</b>
6.1	Summary .....	149
6.2	Theoretical Contributions .....	151
6.2.1	Foucauldian Framework .....	151
6.2.2	South Asian Governmentality .....	152
6.3	Methodological Contributions .....	155
6.3.1	Multiple Scales and Spatiality .....	155
6.3.2	Discourse as More Than Language .....	155
6.4	Research Implications .....	156
6.5	Future Outlook .....	158
	References .....	160
	<b>Index .....</b>	<b>163</b>

River Control in India

Spatial, Governmental and Subjective Dimensions

Baghel, R.

2014, XV, 165 p. 2 illus., 1 illus. in color., Hardcover

ISBN: 978-3-319-04431-6