

Contents

List of figures	viii
List of tables	ix
List of contributors	x
Acknowledgements	xvii
1 Examining the terrain	1
ERIC FREEDMAN AND MARK NEUZIL	
Part I	
Climate change	11
2 Less water from the mountains? Consequences of glacier changes in Central Asia	13
WILFRIED HAGG AND TOBIAS BOLCH	
Part II	
Water	25
3 Increasing human security to avert water wars in the Ferghana Valley	27
VENERA SAKKEVA	
Part III	
Energy	39
4 Energy exploration and the Caspian Region: sturgeon, seals, and sulfur	41
TRACEY GERMAN	

5	The 'great future of the country'? Dams and hydroelectricity discourses in Kyrgyzstan	52
	AMANDA E. WOODEN, JEANNE FÉAUX DE LA CROIX AND DAVID GULLETTE	
 Part IV		
	Public policy and mass media	65
6	Let there be science: separating environmental misperceptions from reality in the Aral Sea Basin	67
	CHRISTOPHER MARTIUS AND JOHN P.A. LAMERS	
7	Tajikistan: an environmental scan	78
	SHAKHODAT SAIBNAZAROVA	
8	Newspaper coverage of water and other ecological issues in Kazakhstan during <i>Perestroika</i> and today	90
	ARDAK YESDAULETOVA AND AITMUKHANBET YESDAULETOV	
9	Western news coverage of environmental issues in post-Soviet Central Asia	101
	ERIC FREEDMAN, MARK NEUZIL, BRUNO TAKAHASHI AND CHRISTINE CARMICHAEL	
 Part V		
	Environmental health	115
10	Radiation health risk studies associated with nuclear testing in Kazakhstan	117
	BERND GROSCHKE, STEVEN L. SIMON, KAZBEK N. APSALIKOV AND AUSRELE KESMINIENE	
 Part VI		
	Ecology	127
11	Kazakhstan's Northern Aral Sea today: partial ecosystem restoration and economic recovery	129
	KRISTOPHER D. WHITE	
12	Conservation and multipurpose management of the unique walnut-fruit forests of southern Kyrgyzstan	141
	JEAN-PIERRE SORG AND MAIK REHNUS	

13	Ecologically based Integrated Pest Management programs for food security crops in Central Asia	154
	KARIM MAREDIA, GEORGE BIRD, DOUG LANDIS, FRANK ZALOM, JOY LANDIS, MEGAN KENNELLY, MUSTAPHA EL-BOUHSSINI, NURALI SAIDOV AND MURAT AITMATOV	
14	A treasure in the desert? Carbon stock estimates for <i>Haloxylon aphyllum</i> in the northeastern Karakum Desert	173
	ALLAN BURAS, NIELS THEVS, STEFAN ZERBE, WALTER WUCHERER AND MARTIN WILMKING	
15	Through the crystal ball	182
	MARK NEUZIL AND ERIC FREEDMAN	
	Index	189