

Contents

Foreword	v	Alaska	40
Acknowledgements	vi	STERLING D. MILLER AND JOHN SCHOEN	
Executive Summary	vii	Canada	46
Summary of the Status of Bear Species by Distribution	ix	BRUCE McLELLAN AND VIVIAN BANCİ	
CHRISTOPHER SERVHEEN		United States: Grizzly Bear in the Lower 48	50
Chapter 1: Introduction	1	CHRISTOPHER SERVHEEN	
STEPHEN HERRERO		Chapter 6: Brown Bear Conservation Action Plan for Europe (<i>Ursus arctos</i>)	55
The nature of bears	1	Introduction	56
Why conserve bears?	4	Austria	56
Status Survey and Conservation Action Plan for Bears	6	GEORG RAUER	
Chapter 2: An Overview of Bear Conservation Planning and Implementation	8	Bulgaria	59
BERNARD PEYTON, CHRISTOPHER SERVHEEN, AND STEPHEN HERRERO		NIKOLAI SPASSOV AND G. SPIRIDONOV	
Introduction	8	Finland	63
Planning	8	ERIK S. NYHOLM AND KAI-EERIK NYHOLM	
Identifying threats	9	France	68
Prioritizing threats	10	JEAN JACQUES CAMARRA	
Determining what is needed to address threats	10	Greece	72
Implementation	14	GEORGE MERTZANIS	
Summary	24	Italy (Abruzzo)	81
Chapter 3: Genetics of the Bears of the World	25	GIORGIO BOSCAGLI	
LISETTE WAITS, DAVID PAETKAU, AND CURTIS STROBECK		Italy (Trentino)	84
Overview	25	FABIO OSTI	
1. Interspecific phylogenetic analyses	26	Norway	86
2. Intraspecific population structure analyses	27	OLE JAKOB SØRENSEN, JON E. SWENSON, AND TOR KVAM	
3. Genetic diversity within populations	29	Poland	89
4. Ecological applications	30	WITOLD FRACKOWIAK, ROMAN GULA, AND KAJETAN PERZANOWSKI	
5. Forensic applications	31	Romania	93
Chapter 4: The Trade in Bears and Bear Parts	33	OVIDIU IONESCU	
CHRISTOPHER SERVHEEN		Russia (see page 136)	
Introduction	33	Slovakia	96
Origins of bile in trade	33	PAVEL HELL AND SLAVOMÍR FIND’O	
Value of bear parts	34	Spain: eastern and western Cantabria	100
Bear farming	36	Eastern Cantabrian subpopulation	101
The future of trade in bear parts in North America	36	ANTHONY P. CLEVINGER AND FRANCISCO J. PURROY	
Control of trade in bear parts	37	Western Cantabrian subpopulation	104
Chapter 5: Brown Bear Conservation Action Plan for North America (<i>Ursus arctos</i>)	39	JAVIER NAVES CIENFUEGOS AND CARLOS NORES QUESADA	
Introduction	40	Sweden	111
		JON E. SWENSON, FINN SANDEGREN, ANDERS BJÄRVALL, ROBERT FRANZÉN, ARNE SÖDERBERG, AND PETTER WABAKKEN	
		Former Yugoslavia	113
		DJURO HUBER	
		Bosnia and Hercegovina	113
		Croatia	115
		Macedonia	118
		Montenegro and Serbia (with Kosovo)	118
		Slovenia	119
		DJURO HUBER AND MIHA ADAMIC	

Chapter 7: Brown Bear Conservation Action Plan for Asia (<i>Ursus arctos</i>)	123
Introduction	123
China: Heilongjiang black and brown bears	123
CHENG JIZHEN	
India	125
S. SATHYAKUMAR	
Japan: Hokkaido	128
TSUTOMU MANO AND JOSEPH MOLL	
Mongolia: Gobi bear	131
THOMAS MCCARTHY	
Russia	136
IGOR CHESTIN	

Chapter 8: American Black Bear Conservation Action Plan (<i>Ursus americanus</i>)	144
MICHAEL R. PELTON, ALEX B. COLEY, THOMAS H. EASON, DIANA L. DOAN MARTINEZ, JOEL A. PEDERSON, FRANK T. VAN MANEM AND KEITH M. WEAVER	
Introduction	144
Historic range, current distribution and status ...	145
Canada	147
United States	151
Mexico	155

Chapter 9: Spectacled Bear Conservation Action Plan (<i>Tremarctos ornatus</i>)	157
BERNARD PEYTON	
Introduction	157
Benefits of spectacled bear conservation	158
Status and distribution	159
Legal status	161
Management	161
Human-bear interactions	162
Public education needs	162
Specific conservation recommendations	162
Bolivia	164
DAMIÁN I. RUMIZ AND JORGE SALAZAR	
Colombia	168
JORGE OREJUELA AND JEFFREY P. JORGENSEN	
Ecuador	179
LUIS SUÁREZ	
Perú	182
BERNARD PEYTON – COORDINATOR	
Venezuela	193
EDGARD YERENA – COORDINATOR	

Chapter 10: Asiatic Black Bear Conservation Action Plan (<i>Ursus thibetanus</i>)	199
Introduction	200
China	200
MA YIQING AND LI XIAOMIN	
India	202
S. SATHYAKUMAR	
Japan	207
TOSHIHIRO HAZUMI	
Russia	211
IGOR CHESTIN AND VICTOR YUDIN	
Taiwan: Formosan black bear	213
YING WANG	

Vietnam: black bear and sun bear	216
DO DINH SAM	

Chapter 11: Sun Bear Conservation Action Plan (<i>Helarctos malayanus</i>)	219
CHRISTOPHER SERVHEEN	
Introduction	219
Historic range and current distribution	219
Status	220
Legal status	220
Population threats	221
Habitat threats	221
Management	222
Human-bear interactions	222
Public education needs	222
Specific conservation recommendations	222
Lao PDR	223
RICHARD E. SALTER	
Vietnam (see page 216)	

Chapter 12: Sloth Bear Conservation Action Plan (<i>Melursus ursinus</i>)	225
DAVID L. GARSHELIS, ANUP R. JOSHI, JAMES L.D. SMITH, AND CLIFFORD G. RICE	
Introduction	225
General distribution	227
Populations and status	228
India	229
Nepal	236

Chapter 13: Giant Panda Conservation Action Plan (<i>Ailuropoda melanoleuca</i>)	241
DONALD G. REID AND JIEN GONG	
Overview of the giant panda	241
Status and distribution	244
Legal status	246
Population threats	246
Habitat threats	248
Management	251
Human-panda interactions	251
Public education needs	252
Specific conservation recommendations	252

Chapter 14: Global Status and Management of the Polar Bear (<i>Ursus maritimus</i>)	255
IUCN/SSC POLAR BEAR SPECIALIST GROUP	
Introduction	256
Current distribution and status	256
Population and habitat threats	260
Management	262
Specific conservation recommendations	270

Literature Cited	271
-------------------------------	-----

Appendix 1: Bear Specialist Group Members and Contributing Authors	297
---	-----

Appendix 2: Polar Bear Specialist Group Members ...	302
--	-----

Appendix 3: IUCN Red List Categories	303
---	-----