

Status of the World's Transfrontier Protected Areas

Dorothy C. Zbicz, Duke University
Nicholas School of the Environment, Box 90328, Durham, NC 27511, USA

and

Michael J. B. Green, World Conservation Monitoring Centre
219 Huntingdon Road, Cambridge CB3 0DL, U.K.

1. INTRODUCTION

Protected areas that adjoin across international boundaries, referred to in this paper as *transfrontier protected areas*, provide intriguing possibilities for promoting biodiversity conservation across politically-severed ecosystems and species' home ranges, as well as transfrontier collaborative management which may ultimately contribute to international peace. Since 1932, when Waterton/Glacier was jointly declared the first *international peace park* by Canada and the United States of America, the concept has gained increasingly widespread recognition and application, particularly in the last decade.

The first review of transfrontier protected areas was presented to the Border Parks Workshop held in 1988 during the First Global Conference on *Tourism - A Vital Force for Peace*. A total of 70 cases involving 68 countries was identified where established or proposed protected areas met across international boundaries. (Thorsell and Harrison, 1990). The purpose of this paper is to examine progress since the 1988 Border Parks Workshop and assess the present extent of transfrontier protected areas. No attempt is made here to examine the level of collaborative management between protected areas that abut on international boundaries; this is the subject of ongoing research by the first author, for which the identification of all transfrontier protected areas in the world was the necessary first stage.

2. METHODOLOGY

The process of compiling a comprehensive list of transfrontier protected areas began three years ago with the list of *border parks* compiled by Thorsell and Harrison (1990). The list was updated with other information from various sources and from the many individuals at Duke University working in protected areas around the world. Further input was provided by protected area professionals attending the 1996 IUCN World Conservation Congress in Montreal. In the spring of 1997, the first author spent several weeks at the World Conservation Monitoring Centre (WCMC) in Cambridge, UK working with staff to verify this compiled list with the Centre's Protected Areas Database and its Biodiversity Map Library, an ARC.INFO-based Geographic Information System. She then took the list to IUCN Headquarters, Switzerland where, due to fortunate timing, she was also able to solicit feedback from the World Commission on Protected Areas Steering Committee, including its vice chairs from the different regions of the world. Finally, the list was verified by hundreds of protected area managers around the world, through electronic mail, fax and mail.

The following criteria were used for listing complexes of transfrontier protected areas:

- sites must adjoin across one or more international boundaries; and

- sites must qualify as protected areas, based on the IUCN (1994) definition¹. Such sites are assigned to one of six IUCN protected area management categories (I-VI).

Most of the identified transfrontier protected areas are actually part of larger conglomerates of protected areas, referred to in this paper as *transfrontier protected areas complexes*. This concept of complexes is useful for determining the area of contiguous habitat that is protected. Since each complex usually contains more than two protected areas, the total number of individual protected areas is much more than double the number of complexes. It should be noted, however, that not all protected areas within a complex necessarily adjoin an international boundary.

Transfrontier protected areas complexes were mapped using WCMC's Biodiversity Map Library. In the absence of digitized information for the boundaries of some protected areas, their locations were marked by a single georeferenced point. It was not possible to map all transfrontier protected areas due to a lack of both digital and georeferenced data in some cases.

Potential transfrontier protected areas were also identified on the basis of established protected areas adjoining proposed protected areas across an international boundary. This list of potential transfrontier protected areas is likely to be incomplete as data on proposed protected areas are much less comprehensive than data for established protected areas. For this reason the list is not presented here, but summary data derived from it are used to indicate the scale of future opportunities for promoting the international peace park concept.

3. STATUS OF TRANSFRONTIER PROTECTED AREAS COMPLEXES

3.1 Extent

A total of 136 transfrontier protected areas complexes were identified (Annex 1). These are distributed among 98 countries and comprise 406 individual protected areas. The total number of legally designated areas is higher (482) because a number of these have not been assigned to IUCN categories for various reasons. As shown in the accompanying maps, it has been possible to map 382 of the 406 protected areas, based on their digitized boundaries or known geographic coordinates. From the available information, we know that transfrontier protected areas complexes cover at least 1,127,934 km², this being the total area of the 382 protected areas (Table 1). Such complexes represent nearly 10% of the world's network of 13.2 million km² of protected areas or nearly 1% of the total area of all countries in the world (Green and Paine, in press). This highlights the global significance of transfrontier protected areas complexes in terms of their extensiveness, quite apart from their potential importance for collaborative management across international boundaries and ultimately for contributing to international peace.

Table 1 Summary of available information on mapped transfrontier protected areas complexes

Transfrontier protected areas complexes	Point locations (i.e. geographic coordinates)	Polygons (i.e. digitized boundaries)	Total
No. protected areas	142	240	382
Total area (km ²)	226,124	901,810	1,127,934
No. countries	53	64	98

A further 85 potential transfrontier protected areas complexes were identified. These are distributed among 14 countries additional to the 98 with established complexes. Potential transfrontier protected areas complexes have not been listed or mapped.

¹ A protected area is an area of land and/or sea especially dedicated to the protection and maintenance of biological diversity, and of natural and associated cultural resources, and managed through legal or other effective means (IUCN, 1994).

3.2 Growth

Comparison with the first survey by Thorsell and Harrison (1990) shows that there has been tremendous growth in the number of transfrontier protected areas complexes since 1988, particularly over the last three years. The number of complexes comprising established transfrontier protected areas has more than doubled, from 59 to 136. Furthermore, the number of complexes straddling the boundaries of three countries has increased from two in 1988 to 23 in 1997, with a further seven potential complexes identified. In one case, the proposed Mura-Drava complex, four countries (Austria, Croatia, Hungary and Slovenia) are involved. While some of this growth reflects changing political situations, as with the emergence of the Newly Independent States from the former Soviet Union, much of it represents genuine efforts to establish a common agenda for conserving biological diversity that straddles international boundaries.

Table 2 Regional growth of transfrontier protected areas complexes since 1988

Regions	No. complexes		No. protected areas 1997	No. proposed complexes		No. complexes with three countries 1997
	1988	1997		1988	1997	
N. America	5	8	37	0	4	0
C. & S. America	7	25	79	0	15	5
Europe	20	44	121	3	41	6
Africa	20	33	100	2	13	9
Asia	7	26	69	6	12	3
TOTAL	59	136	406	11	85	23

The regional distribution of transfrontier protected areas complexes is summarised in Table 2 for 1988 and 1997. In general, such complexes are distributed fairly evenly throughout the different regions, becoming more evenly spread during the last decade due to an increase in the percentage of complexes in Central and South America (Figure 1). The increase in Central and South America partly reflects the establishment of several transfrontier protected areas since the cessation of armed conflicts in the region. While North America contains only 6% of the world's total number of complexes, it should be appreciated that these occur along only two international boundaries.

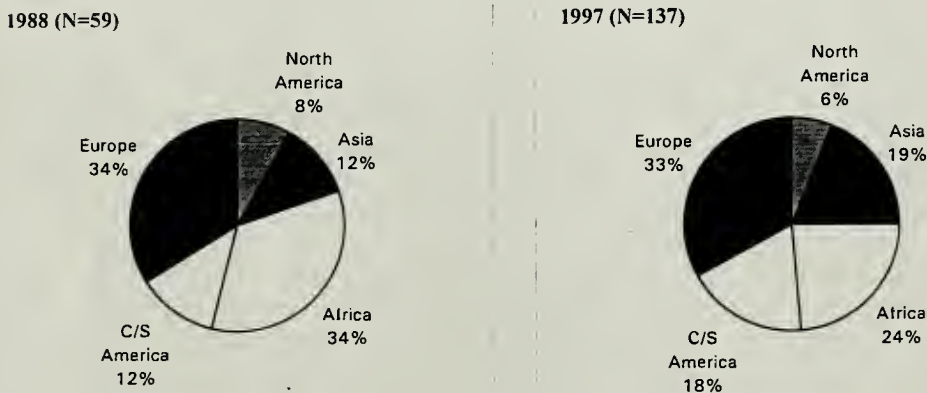


Figure 1 Regional distribution of transfrontier protected areas complexes in 1988 and 1997

3.3 International boundaries

As considered in Section 3.1, 98 countries have transfrontier protected areas complexes, which represents nearly half of the 224 countries and dependent territories in the world. The International Boundaries Research Unit, University of Durham, UK, maintains a global database of international boundaries, which includes at present 309 international boundaries (M. Pratt, pers. comm., 1997). Some 112 (36%) of these international boundaries have transfrontier protected areas complexes located along them and an additional 47 international boundaries contain potential complexes. It should be noted that there is not a 1:1 ratio between international boundaries and complexes. There are 23 complexes involving three countries and, therefore, three international boundaries. Conversely, 38 of the 112 international boundaries are straddled by more than one protected areas complex (24 have two complexes, nine have three, three have four and two have five complexes).

The regional distribution of existing and potential transfrontier protected areas complexes with respect to international boundaries is shown in Table 3. The number of international land boundaries has increased considerably in recent decades, from about 280 in the late 1980s to some 315 in 1997 (Blake, these proceedings), leading to increased opportunities for transfrontier protected areas complexes. In Europe, for example, the number of such complexes has doubled since 1988 (Table 2), partly due to the increased number of boundaries resulting from dissolution of the former USSR in 1991. Moreover, most of the proposed complexes in Europe (Table 3) lie along these new political boundaries in former eastern Europe or USSR.

Table 3 Regional distribution of protected areas complexes straddling international boundaries

Region	Number of international boundaries with:		
	1 transfrontier protected areas complex	1 potential transfrontier protected areas complex*	> 1 transfrontier protected areas complex
N. America	2	1	2
C. & S. America	21	6	8
Europe	33	28	12
Africa	34	9	11
Asia	22	3	5
TOTAL	112	47	38

* Not included in Column 2

4. PARKS FOR PEACE

Some 136 cases exist around the world where the boundaries of two or more contiguous protected areas straddle 112 international boundaries. These transfrontier protected areas complexes provide real opportunities for co-operative management across international boundaries in the interests of biodiversity conservation. In the broader political framework, such cooperation contributes to political stability between neighbouring countries.

In a 1991 article from the *Journal of Peace Research*, Brock concluded that although peace parks to date had probably had little independent effect on international relations, transfrontier environmental cooperation has the potential to develop into an independent variable influencing world politics. Experience in Europe during the past twenty years has demonstrated the important role of cooperative resource management at the local, transfrontier level in leading to greater European economic, social and political integration. Brock (1991) suggests that environmental cooperation may have a direct effect on regional politics by helping to internalize norms, establish regional identities and interests, operationalize routine international communication, and marginalize the acceptability of the use of force. Simply establishing international peace parks is

unlikely to bring an end to border hostilities, but such initiatives may help to promote communication and cooperation as an early part of the peace process, building confidence and ultimately improving transfrontier relations. Where transfrontier relations are already cordial, they can be enhanced by focusing on biodiversity conservation objectives within adjoining protected areas.

In the past decade, many countries have begun to explore the potential for promoting transfrontier protected areas as models of international cooperation. Examples include: Laos/Cambodia/Thailand, Ecuador/Peru, La Amistad between Costa Rica and Panama, Sí-a-Paz between Costa Rica and Nicaragua, Turkey/Greece, Bosnia/ Serbia-Montenegro, Papua New Guinea/ Indonesia, Jordan/ Israel, South Africa/ Mozambique and the demilitarized zone between North and South Korea. The extent to which transfrontier protected areas may serve the twin objectives of conserving biodiversity and promoting peace across international boundaries was the subject of a conference in 1993 (Westing, 1993). At a more recent workshop in 1995, the experience gained by managers from transfrontier mountain protected areas was reviewed, and common elements for effective transfrontier cooperation identified (Hamilton *et al.*, 1996).

In many more cases, however, the extent of transfrontier cooperation between adjoining protected areas has not yet been examined on a global scale. The next step is to assess the levels of cooperation that exist within existing transfrontier protected areas complexes. This is already underway by the first author by means of a questionnaire survey involving managers of all transfrontier protected areas in the world. This survey will provide the basis for identifying the conditions under which transfrontier cooperation is practicable and the factors which are most likely to encourage or inhibit it.

REFERENCES

- Blake, G.H. (these proceedings). The geopolitics of transboundary cooperation: an overview.
- Brock, L. (1991). "Peace through Parks: The Environment on the Peace Research Agenda." *Journal of Peace Research* 28(4): 407-423
- Green, M.J.B. and Paine, J. (in press). State of the World's Protected Areas at the End of the Twentieth Century. In: *Protected Areas in the 21st Century: from Islands to Networks*, World Commission on Protected Areas. IUCN, Gland, Switzerland and Cambridge, UK.
- Hamilton, L. S., Mackay, J. C., Worboys, G. L., Jones, R. A. and Manson, G. B. (Ed.) (1996). *Transborder Protected Area Cooperation*. Canberra, Australia, Australian Alps National Parks and IUCN.
- IUCN (1994). *Guidelines for Protected Area Management Categories*. Commission on National Parks and Protected Areas with the assistance of the World Conservation Monitoring Centre. IUCN, Gland, Switzerland and Cambridge, UK. x + 261pp.
- Pratt, M. (1997). Electronic mail list-serve "int-boundaries", 17 October 1997. International Boundaries Research Unit, University of Durham, Durham, UK.
- Thorsell, J. and Harrison, J. (1990). Parks That Promote Peace: A Global Inventory of Transfrontier Nature Reserves. *Parks on the Borderline: Experience in Transfrontier Conservation*. J. Thorsell (Ed.). IUCN, Gland, Switzerland and Cambridge, UK. Pp. 4-21.
- Westing, A. H. (1993). Building Confidence with Transfrontier Reserves: The Global Potential. *Transfrontier Reserves for Peace and Nature: A Contribution to Human Security*. A. H. Westing. (Ed.). UNEP, Nairobi, Pp. 1-15.

ACKNOWLEDGEMENTS

We gratefully acknowledge the hundreds of protected area managers who obligingly responded to requests for information on transfrontier protected areas. Members of the WCMC Protected Areas Unit, namely James Paine, Samuel Kanyambwa, Isabel Ripa Juliá, Javier Beltrán and Balzhan Zhimbiev, contributed their knowledge and expertise. Vicky Fletcher and Oliver Jarratt matched listed transfrontier protected areas with database records, Simon Blyth ably prepared a poster map for this Conference at very short notice, and Victoria Freeman provided secretarial and other support. Members of the Protected Areas Programme at IUCN Headquarters shared their expertise and provided various support, which is greatly appreciated. The study has also benefited from the comments and suggestions of the World Commission on Protected Areas Steering Committee, numerous researchers at Duke University, and many participants at the IUCN World Conservation Congress.

Annex 1

List of Transfrontier Protected Areas Complexes

Note: Complexes may include proposed protected areas and areas designated under national legislation that have not been assigned an IUCN Category (i.e. unassigned), provided that there is at least one established protected area adjacent to another either side of an international boundary.

Countries	WCMC Code	Designated Areas	IUCN Category
North America			
Canada/	612	Kluane National Park & Preserve	II
	18707	Kluane Wildlife Sanctuary	IV
	7406	Tatshenshini-Alseck Wilderness Park/	II
US	13038	Tongass National Forest	IV
	1005	Wrangell-St Elias National Park	II
	35387	Wrangell-St Elias Wilderness Area	Ib
	22490	Wrangell-St Elias National Preserve	V
	1010	Glacier Bay National Park	II
	22485	Glacier Bay National Preserve	V
	35382	Glacier Bay Wilderness Area	Ib
Canada/	626	Waterton Lakes National Park	II
	21193	Akamina Kishinena Provincial Park Flathead Provincial Forest Reserve/	II
US	973	Glacier National Park	II
	100967	Flathead National Forest	VI
Canada/	100672	Ivvavik National Park	II
	100673	Vuntut National Park	II
	101594	Old Crow Flats Special Management Area/	Ib
US	2904	Arctic National Wildlife Refuge	IV
Canada/	66395	Quetico Wilderness Provincial Park Neguaguon Lake Indigenous Reserve/	II
US	21322	Boundary Waters Canoe Area Wilderness Area	Ib
	100955	Superior National Forest	VI
	988	Voyageurs National Park	II
Canada/	4185	Cathedral Provincial Park	II
	18646	E. C. Manning Provincial Park	II
	101678	Skagit Valley Recreation Area	II
	65159	Cultus Lake Provincial Park Neguaguon Lake Indigenous Reserve/.	II
US	979	N. Cascades National Park	II
	21389	Pasayten Wilderness National Forest	Ib
Mexico/	101431	Sierra de Maderas del Carmen National Park	
	101457	Cañón de Santa Elena National Forest/	VI
US	976	Big Bend National Park	II
Mexico/	34862	Sierra de los Ajos National Park/	
US	100881	Coronado National Forest	
Mexico/	32971	El Pinacate y Gran Desierto de Altar National Biological Reserve	VI
	18091	Sierra del Pinacate Refugio	IV
	101409	Alto Golfo National Biological Reserve/	VI
US	13771	Cabeza Prieta National Wildlife Refuge	IV
	35472	Cabeza Prieta Wilderness Area	Ib
	35977	Organ Pipe Cactus Wilderness Area	Ib
	1020	Organ Pipe Cactus National Monument Tohono O'odham Reservation	III

Countries	WCMC Code	Designated Areas	IUCN Category
Latin America			
Belize/	20224 61957	Río Bravo Conservation Area Private Reserve Aguas Turbia National Park/	IV II
Guatemala/	26621 30604 102817	Maya Biosphere Reserve Mirador -Río Azul National Park Naachtún - Dos Lagunas Protected Biotope/	n/a Ia II
Mexico	19570	Calakmul Biological Reserve	VI
Belize/	20230 3314 116297 28850	Chiquibul National Park Columbia River Forest Reserve Vaca Forest Reserve Maya Mountains Forest Reserve/	II VI VI VI
Guatemala		Complejo III - Reserva de Biosfera Montañas Mayas Chiquibul	
Costa Rica/	167 30599 12493	Tortuguero National Park Tortuguero Protected Zone Barro del Colorado National Wildlife Reserve/	II VI IV
Nicaragua	30628 20220	Río Indio-Maíz Biological Reserve San Juan Delta	Ia Pr
Colombia/	142	Los Katios National Park/	II
Panama	236 102255	Darién National Park Punta Patiño Nature Reserve	II
Costa Rica/	2553 12491	La Amistad National Park Las Tablas Protected Zone/	II VI
Panama	2552 17185 102253	La Amistad National Park Palo Seco Lagunas de Volcán	II VI IV
Costa Rica/	19402	Gandoca y Manzanillo National Wildlife Refuge/	IV
Panama	16787	Isla Bastimentos Marine National Park	II
El Salvador/	9638	Montecristo National Park/	IV
Guatemala/	102815	Fratemidad o Trifinio National Biosphere Reserve/	n/a
Honduras	18804	Montecristo Trifinio National Park	II
El Salvador/		Proposed/	Pr
Honduras/	40996	Río Negro Biological Reserve/	IV
Nicaragua	12652	Estero Real Natural Reserve	II
Guatemala/		Lacandón National Park/	
Mexico	14305 67671	Montes Azules Biological Reserve Bonampak National Monument	Ia III
Honduras/	41014 41045 41013 41034	Río Plátano National Park Tawasha Indigenous Reserve Patuca National Park Río Coco Natural Monument/	Pr II Pr
Nicaragua	2650	Bosawas National Reserve	VI
Argentina/	15 61817	Iguazú National Park Iguazú Strict Nature Reserve/	II Ia
Brazil/	60	Iguaçu National Park/	II
Paraguay		M.S. Bertoní	
Argentina/	97490 97523	Nahuel Huapi National Park Nahuel Huapi Strict Nature Reserve/	II Ib
Chile	90 88	Puyehue National Park Vicente Perez Rosales National Park	II II

Countries	WCMC Code	Designated Areas	IUCN Category
Argentina/	7 61820 2497 30844 16875	Lanin National Park Lanin Strict Nature Reserve Lanin Natural Monument Complejo Islole Lobos Chañy Forest Reserve/	II Ia II IV VI
Chile	91 10706 9418	Villarrica National Park Villarrica National Reserve Huerqueque National Park	II IV II
Argentina/	6 4329	Los Glaciares National Park Los Glaciares Strict Nature Reserve/	II Ia
Chile	9414 89	Bernardo O'Higgins National Park Torres del Paine National Park	II II
Argentina/	16873	Copahue -Caviahue Provincial Park/	II
Chile	111	Ñuble Reseserva Nacional	IV
Bolivia/	20049	Iténez Reserva Fiscal/	VI
Brazil	5126 41090 34028	Guaporé Federal Biological Reserve Baixo Sao Miguel State Extractive Forest Pedras Negras State Extractive Forest	Ia VI VI
Bolivia/	36	Eduardo Avaroa National Reserve/	IV
Chile	94112 30043	Liancabur National Park Los Flamencos National Reserve	II IV
Bolivia/	33 20030 20035	Sajama National Park Sajama Integrated Management Area Altamachi Vicuña Reserve/	II IV IV
Chile	86 9435	Lauca National Park Las Vicuñas National Reserve	II IV
Bolivia/	98183	Madidi National Park/	II
Peru	7460	Pampas de Heath National Sanctuary	III
Brazil/	101760	Tucumaque Forest Reserve/	VI
Suriname	276	Sipaliwini Nature Reserve	IV
Brazil/	54	Pico da Neblina National Park/	II
Venezuela	4367	Serrania de La Neblina National Park	II
Colombia/	9400	La Paya National Park/	II
Ecuador/	2499	Cuyabeño Reserva Faunistica/	VI
Peru	98245	Guepi National Park	Un
Colombia/	144	Tamá Natural National Park/	II
Venezuela	322 101129 30640	El Tamá National Park Cerro Machado- El Silencio San Antonio- Ureña Protected Zone	II VI V
Colombia/	19993	Catatumbo-Bari National Park/	II
Venezuela	318 20068	Perijá National Park Región Lago de Maracaibo -Sierra de Peri Protected Zone	II V
Ecuador/	186	Yasuni/	II
Peru	249	Reserva Nacional Pacaya Samira	VI
Europe			
Albania/		Prespa Lake National Park/	
Greece/	674	Prespes National Park/	II
Former Yugoslav Republic of Macedonia	2516 1056	Galichica National Park Pelister National Park	II II

Countries	WCMC Code	Designated Areas	IUCN Category
Austria/	102736	Thayatal Protected Landscape Area	V
	103578	Thayatal Nature Reserve/	IV
Czech Republic	30721	Podyji National Park	II
	4280	Podyji Protected Landscape Area	V
	61419	Palava Protected Landscape Area	
Austria/		Lainsitzniederung Strict Nature Reserve	
	102882	Blockheide Eibenstein Nature Park	V
	5425	Blockheide Eibenstein Nature Reserve	V
		Northern Waldviertel Area/	
Czech Republic	2558	Trebonsko Protected Landscape Area	V
Austria/		Bayerischer Wald, Böhmerwald, Sumava National Park/	Pr
Czech Republic/	4282	Šumava CHKO Protected Landscape Area	V
	26059	Šumava National Park	II
	26059	Sumavská Raselinisté/	II
Germany	67870	Bayerischer Wald Nature Park Deilanderregion	V
	64659	Böhmerwald Biosphere Reserve	Pr
Austria/	31402	Kalkhochalpen Nature Reserve/	IV
Germany	688	Berchtesgaden National Park	II
Austria/	1218	Neusiedlersee Nature Reserve	IV
	62709	Neusiedlersee - Seewinkel National Park	II
	102857	Neusiedler See und Umgebung Protected Landscape Area/	V
Hungary	9566	Fertő Hanság National Park	II
Austria/	18769	Donau-Auen National Park	II
	31412	Donau-March Protected Landscape Area	V
	68341	Auen Protected Landscape Area	V
	1220	Marchaven-Marchegg NSG Nature Reserve	Un
	31408	Untere Marchauen Nature Reserve/	IV
Slovakia	19034	Slovakia Zahorie CHKO Protected Landscape Area	V
	12155	Male Karpaty Protected Landscape Area	V
Belarus/	1985	Belovezhskaya Puscha National Park/	II
Poland	854	Bialowieski National Park	II
Belarus/	1644	Pripiatsky National Park/	Ib
Ukraine	1749	Polesky Nature Reserve	Ia
Belgium/	18950	Hautes Fagnes Eifel Nature Park/	V
Germany	6971	Nordeifel Nature Park	V
Bosnia-Herzegovina/	1055	Sutjeska National Park/	II
Yugoslavia (Montenegro)	15596	Tara National Park	II
	1051	Durmitor National Park	II
Croatia/	15605	Kopacki Rit Special Reserve	Ia
	15602	Kopacki Rit Nature Park/	V
Hungary	9683	Mohaci Tortenelmi Emlekhely Nature Conservation Area	IV
	100798	Duna-Drava National Park	V
Czech Republic/	4275	Protected Landscape Area Labské Piskovce/	V
Germany	32666	Sächsische Schweiz National Park	V
	11800	Sächsische Schweiz Protected Landscape Area	V
Czech Republic/	645	Krkonoše National Park	V
		Protected Landscape Area Iser Mountains/	
Poland	852	Karkonoski National Park	II
Czech Republic/	4267	Beskydy Protected Landscape Area/	V
Poland/	12270	Zywiecki Park Krajobrazowy/	V
Slovakia	11812	Protected Landscape Area Kysuce CHKO	V
Czech Republic/	12154	Protected Landscape Area White Carpathians/	V
Slovakia	12159	Biele Karpaty Protected Landscape Area	V

Countries	WCMC Code	Designated Areas	IUCN Category
Denmark/	92491	Waddensea Nature Reserve	
	5762	Vadehavet Wildlife Reserve	IV
	17703	Vadehavet Conservation Area	V
	64575	Vadehavet National Nature Area/	IV
Germany/	4380	Rantumbecken Nature Reserve	IV
	1541	Nord-Sylt Nature Reserve	IV
	33391	Hosteinsische Schweiz Nature Park	V
	32669	Schleswig-Holsteinisches Wattenmeer National Park	V
	11837	Niedersaahsisones Wattenmeer National Park	V
	30116	Dollart Nature Reserve	IV
	82256	Nordfriesisches Wattenmeer Nature Reserve/	IV
Netherlands	64617	Dollard Nature Reserve	
	12754	Waddensea Area Biosphere Reserve	n/a
Finland/	654	Lemmenjoki National Park/	II
Norway	822	Ovre Annarjokka National Park	II
Finland/		Kasivarsi Wildermess Area/	
Norway	12297	Reisa National Park Raisdouterhaldi Protected Landscape Area	II
Finland/		Vätsäri Wildermess Area/	
Norway/	832	Ovre Pasvik National Park & Reserve/	II
Russian Federation	62446	Pasvik Zapovednikovednik	1a
Finland/	656	Oulanka National Park/	II
Russian Federation	68351	Paanajärvi	II
Finland/	2561	Urho Kekkonen National Park/	IV
Russian Federation	1700	Laplandskiy Zapovednik	1a
Finland/		Friendship Nature Reserve, Kainou Park Elimussalo Nature Reserve Lehtua Nature Reserve	
	1523	Ulvinsalo Strict Nature Reserve	1a
	102007	Juortansalo-Lapino Protected Mire	IV
	102041	Lososuo-Saarijarvi Protected Mire Iso-Palonen & Maariansarkat Nature Reserve/	IV
	Russian Federation	13988	Kostomukskiy Zapovednik
Finland/	40928	Perameri National Park/	II
Sweden	30811	Haparanda Archipelago National Park	Pr
	1397	Haparanda-Sandskar Nature Reserve	IV
	106872	Haparanda Skärgård National Park	II
France/	6307	Vosges du Nord Regional Nature Park/	V
Germany	81245	Pfälzerwald Nature Park	
France/	661	Vanoise National Park	II
	10350	Vanoise National Park Buffer Zone/	V
Italy	718	Gran Paradiso National Park	V
France/	664	Mercantour National Park/	II
Italy	14618	Maritime Alps National Park	V
France/	662	Pyrenees Occidentales National Park	II
	703151	Pyrennes Occidentales National Park BZ/	
Spain	893	Ordessa y Monte Perdido National Park	II
Hungary/	13652	Aggtelek National Park/	II
Slovakia	4376	Slovenský Kras CHKO Protected Landscape Area	V
Hungary/	30853	Karancs-Madves Protected Area	V
	680	Bükki National Park/	II
Slovakia	14146	Protected Landscape Area Cerová Vrchovina	V

Countries	WCMC Code	Designated Areas	IUCN Category
Italy/	15346	Foresta Di Tarvisio Nature Reserve Regional Park Alpi Giulie/	Un
Slovenia	2517	Triglavski National Park	II
Italy/	717	Stelvio National Park/	V
Switzerland	915	Suisse National Park	Ia
Lithuania/	31552	Kursiu Nerija National Park/	II
Russian Federation	68348	Kurshaskayja Kosa National Park	II
Former Yugoslav Republic of Macedonia/	1050	Mavrovo National Park/	II
Yugoslavia (Serbia)		Shara Mountains National Park	
Norway/	829	Rago National Park Pr. Tysfjord Hellebotn National Park/	II
Sweden	905	Padjelanta National Park	II
	906	Sarek National Park	II
	3998	Stora Sjöfallet National Park	V
	30818	Sjaunja Nature Reserve	Pr
Norway/	826	Fernundsmarka National Park	II
	9906	Fernundsmarka Protected Landscape Area	V
	833	Gutulia National Park/	II
Sweden	10401	Rogen Nature Reserve	IV
	30816	Rogen-Longfjallet National Park	Pr
Norway/	125857	Lunddsneset Nature Reserve/	Ia
Sweden	30821	Tresticklan National Park	
Poland/	848	Tatrzanski National Park/	II
Slovakia	1975	Tatranský National Park	II
Poland/	106887	Babiogorski National Park/	II
Slovakia	12160	Homá Orava CHKO Protected Landscape Area	V
	14115	Babia Hora National Nature Reserve	Ia
Poland/	857	Pieninski National Park/	II
Slovakia	646	Pieninski National Park	II
Poland/	851	Bieszczadski National Park Magura National Park	II
	67746	E. Carpathian - E Beskeid? Biosphere Reserve/	n/a
Slovakia/	67750	E. Carpathians Biosphere Reserve	n/a
	12157	Vychodne Karpaty CHKO Protected Landscape Area/	V
Ukraine	1990	Karpatskiy National Biosphere Reserve, Zapovednik	Ia
	1745	Karpatskiy National Nature Park	II
Portugal/	860	Peneda-Geres National Park/	II
Spain	71215	Baixa-Lima-Serra do Xures Natural Park	V
Romania/	28791	Danube Delta Biosphere Reserve	n/a
	31702	Rosca-Buhaiova National Reserve	Ia
	31703	Letea Nature Reserve/	Ia
Ukraine	4814	Dunaiskie Plavni Nature Zapovednik.	Ia
Romania/	11150	Cazanele Forest Reserve/	IV
Yugoslavia	2522	Djerdap National Park	V
Africa			
Angola/	347	Iona National Park	VI
	2251	Mocamedes Parital Reserve/	IV
Namibia	885	Skeleton Coast Game Park	II
Angola/	4493	Mucusso National Park Luiana Partial Reserve/	IV
			IV
Namibia/	7442	W. Caprivi Game Reserve/	VI
Zambia	30052	Mamili National Park	II

Countries	WCMC Code	Designated Areas	IUCN Category
Angola/	4493	Luijana Partial Reserve/	IV
Zambia	1087	Sioma Ngweze National Park	II
	4081	West Zambezi Game Management Area	VI
Benin/	597	Boucle de la Pendjari National Park	II
	2253	Pendjari Hunting Zone	VI
	2254	Atakora Hunting Zone/	VI
Burkina Faso	3228	Pama Partial Faunal Reserve	IV
	3226	Arly Total Faunal Reserve	IV
	9264	Arly Partial Faunal Reserve	IV
	4488	Kourtiagou Partial Faunal Reserve	IV
Benin/	12201	"W" du Benin National Park/	II
Burkina Faso/	1048	"W" du Burkina Faso National Park	II
	4488	Kourtiagou Partial Faunal Reserve/	IV
Niger	818	"W" du Niger National Park	II
Botswana/	7508	Gemsbok National Park/	II
Namibia/	97586	Kalahari Private Reserve/	Un
South Africa	874	Kalahari Gemsbok National Park	II
Botswana/		Northern Tuli Game Reserve/	
South Africa/	21174	Vhembe-Dongola Nature Reserve/	IV
Zimbabwe	3059	Tuli Safari Area	VI
Burundi/	9161	Kibira National Park/	IV
Rwanda	9148	Nyungwe Forest Reserve	IV
Cameroon/		Lake Lobeke/	Pr
Central African Republic/	31458	Dzanga-Ndoki National Park	II
	31459	Dzanga Sangha Forest Special Reserve/	VI
Republic of Congo	72332	Nouabalé Ndoki National Park	II
Cameroon/	20058	Korup National Park/	II
Nigeria	20299	Cross River National Park	II
Central African Republic/	2261	Yata-Ngaya Faunal Reserve/	IV
Sudan	5090	Radom National Park	II
Côte d'Ivoire/	1295	Mont Nimba Strict Nature Reserve/	Ia
Guinea/	29067	Mont Nimba Strict Nature Reserve/	Ia
Liberia	9176	E. Nimba National Forest	Un
	20175	W. Nimba National Forest	Un
Gambia/	2290	Niomi National Park/	II
Senegal	866	Delta (Iles) du Saloum National Park	II
Guinea/	29069	Badiar National Park	II
	29409	Badiar-Sud Classified Forest/	Un
Senegal	865	Niokola Koba National Park	II
Kenya/	1297	Maasai Mara National Park/	II
Tanzania	7437	Maswa Game Reserve	IV
	916	Serengeti National Park	II
	918	Ngorongoro Crater Conservation Area	VI
Kenya/	2417	Boni National Reserve/	VI
Somalia	13715	Juba Left Controlled Hunting Area	Un
	872	Lag Badana National Park	Pr.
	13710	Bushbush Game Reserve	VI
	13714	Bushbush Controlled Hunting Area	
Kenya/	19564	Tsavo West National Park/	II
Tanzania	1402	Mkomazi Game Reserve	IV
	7433	Umba Game Reserve	IV

Countries	WCMC Code	Designated Areas	IUCN Category
Kenya/	758	Amboseli National Park	II
	7633	Loitokitok Forest Reserve/	Un
Tanzania	922	Kilimanjaro National Park	II
	31593	Kilimanjaro Game Reserve	IV
Kenya/	760	Mount Elgon National Park/	II
Uganda	9179	Sebei Controlled Hunting Area	VI
Malawi/	779	Nyika National Park/	II
Zambia	1102	Nyika National Park	II
Malawi/	4648	Vwaza Marsh Wildlife Reserve/	IV
Zambia	4102	Musalangu Game Management Area	VI
Malawi/	780	Kasungu National Park/	II
Zambia	1088	N Luangwa National Park	II
	1086	S Luangwa National Park	II
	1100	Luambe National Park	II
	1091	Lukusuzi National Park	II
Mauritania/	9310	Diawling National Park/	II
Senegal	867	Djoudj National Park	II
	11653	Gueumbeul Special Faunal Reserve	IV
Mozambique/	4652	Maputo Game Reserve/	IV
South Africa/	116329	Ndumu Game Reserve	II
	39758	Tembe Elephant Park Reserve/	IV
Swaziland		Hlane National Park, Mlawula Nature Reserve	
Mozambique/	20295	Limpopo Valley Wildlife Utilization Area	VI
	800	Zinhave National Park	II
	799	Banhine National Park/	II
South Africa/	873	Kruger National Park/	II
Zimbabwe	1104	Gonarezhou National Park	II
Namibia/	8785	Ai-Ais Hot Springs Game Park Fish River Canyon/	II
South Africa	30851	Richtersveld National Park	II
Rwanda/	863	Volcans National Park/	II
Uganda/	18436	Mgahinga Gorilla National Park	II
	18437	Bwindi Impenetrable Forest National Park/	II
Zaire	1081	Virunga National Park	II
	20331	Rutshuru Hunting Zone	VI
Sudan/	904	Nimule National Park/	II
Uganda	7933/	Otze- Dufile Wildlife Sanctuary	IV
	31275	Otze Forest Forest Reserve	Un
	64700	Mount Kei White Rhino Sanctuary	IV
	3276		
Sudan/	1369	Kidepo Game Reserve/	VI
Uganda	958	Kidepo Valley National Park	II
Sudan/	10737	Lantoto National Park/	Pr.
Democratic Republic of the Congo (Zaire)	1083	Garamba National Park	II
	20036	Mondo Misso Hunting Zone	VI
Uganda/	18438	Rwenzori Mountains	II
	9184	Semliki Controlled Hunting Area	VI
	1446	Kyambura Game Reserve/	II
Zaire	1081	Virunga National Park	IV

Countries	WCMC Code	Designated Areas	IUCN Category
Zambia/	7692	Lower Zambezi National Park/	II
Zimbabwe	2531 2524	Mana Pools National Park Charara Safari Area Sapi , Chewore, Dande Special Areas	II VI VI
Zambia/	2347 62183	Mosi-oa-Tunya National Park Victoria Falls National Monument/	III III
Zimbabwe	1993 2530	Victoria Falls National Park Zambezi National Park	III II
Asia			
Bangladesh/	4478	Sundarbans W. Wildlife Sanctuary/	IV
India	9960	Sundarbans National Park/	Ia
Bhutan/	7996	Royal Manas/	II
India	1818 9232 62663	Manas Sanctuary Buxa Sanctuary Buxa National Park	IV IV Un
Brunei Darussalam/	39641	Labi Hills	Ia
	18035	Labi Hills Labi Hills/	V Un
Malaysia	3790 3939	Gading Forest Reserve Gunung Gading National Park	II
Brunei Darussalam/	32948 3937	Sungei Ingei Conservation Area Ensengi Forest Reserve/	Ia Un
Malaysia	787	Gunung Mulu National Park	II
Cambodia/	12249	Preh Vihear Protected Landscape/	V
Thailand	1415	Yot Dom Phanom Dong Rak Wildlife Sanctuary	IV
Cambodia/	68862	Virachey National Park/	II
Laos/	18872	Dong Ampham Nature Reserve Nam Kong Nature Reserve Altopou/	VI Pr Pr
Viet Nam	12171	Mom Ray Nature Reserve	IV
China/	95461 95460 96016	Jingpo Lake Nature Reserve Mudan Peak Nature Reserve Changbai Mountains Biosphere Reserve/	II VI n/a
N. Korea/	17908	Paekdu Mountain Nature Protection Area/	IV
Russian Federation	1726	Kedrovaya Pad Zapovednik	Ia
China/	96064	Dalai Lake Nature Reserve/	IV
Mongolia/	93538	Mongul Daguur Strict Protected Area/	Ib
Russian Federation	62684	Daurskiy Zapovednik	Ia
China (Tibet)/	95785 95784	Zhu Feng Nature Reserve Jiang Cun Nature Reserve/	Ib VI
Nepal	804 803 26606 26605	Sagarmatha National Park Langtang National Park Makalu-Barun National Park Makalu-Barun Conservation Area	II II II IV
China/	96118	Ta Shi Ku Er Gan Nature Reserve/	Ib
Pakistan	836	Khunjerab National Park	II
China/	95476	Xing Kai Lake Nature Reserve/	VI
Russian Federation	62691	Khankaiskiy Zapovednik.	Ia

Countries	WCMC Code	Designated Areas	IUCN Category
China/	95471	Hunhe Nature Reserve Hong River Nature Reserve/	VI
Russian Federation	1715	Bo' shekhekhtsizskiy Zapovednik	Ia
China (Guangxi)/	95872	Gu Long Mountain Shui Yuan Lin	VI
	95618	Xia Lei Shui Yuan Lin Nature Reserve/	VI
Viet Nam	10360	Trungkhanh	IV
China/	99776	Guan Yin Mountain Nature Reserve	
	95742	Fen Shui Ling Peak Nature Reserve/	VI
Viet Nam	10357	Hoang Lien Son #2	IV
India/	1807	Katarniaghat Sanctuary	IV
	691	Dhudhwa National Park/	II
Nepal	1308	Royal Bardia National Park	II
India/	4578	Valmiki Sanctuary	IV
	12414	Sohagibarwa Sanctuary	IV
	4543	Udaipur Sanctuary/	IV
Nepal	805	Royal Chitwan National Park	II
India/	19683	Kachchh Desert Sanctuary/	IV
Pakistan	6684	Rann of Kutch Wildlife Sanctuary	IV
Indonesia (Kalimantan)/	8673	Gunung Bentang Karimum National Park/	II
Malaysia (Sarawak)	1300	Lanjak Entimau Wildlife Sanctuary	IV
	12250	Batang Ai National Park	II
Indonesia/	29966	Wasur National Park/	II
Papua New Guinea	4200	Tonda Wildlife Management Area	VI
	4202	Maza Wildlife Management Area	VI
Kyrgyz Republic/	1675	Besharalsky Zapovednik./	Ia
Uzbekistan	1761	Ugam-Chatkal National Park	Ia
Laos/	18893	Phou Xiang Thong National biodiversity Conservation Area/	VI
Thailand	39518	Pha Tam National Park	II
	4674	Kaeng Tana	II
Laos/	61496	Nam Et National Biodiversity Conservation Area/	VI
Viet Nam	10363	Sop Cop Nature Reserve	IV
Laos/	12182	Phou Dene Dinh National Biodiversity Conservation Area/	VI
Viet Nam	10362	Muong Nhe Nature Reserve	IV
Malaysia (Sabah)/	793	Pulau Penya Park/	II
Philippines	14758	Turtle Island Marine Sanctuary	IV
Mongolia/	93566	Uvs Nuur Basin Strict Protected Area/	Ia
Russia	67722	Ubsunurskaya Kotlovina	Ia
Mongolia/	93579	Khovsgul Nuur National C Park/	II
Russia	68356	Turkinskiy National Park	II

Key to IUCN category field:

Pr proposed protected area

n/a not applicable (as in the case of internationally designated sites, such as biosphere reserves)

Un unassigned (not assigned to a category because the designation/site does not meet IUCN's definition of a protected area)

blank category not yet assigned (often due to inadequate information)

Transfrontier Protected Areas North America



Map Ref.	Site Code	Name of Area
CANADA		
61	21193	Akamina Kishinena
62	4185	Cathedral
63	65159	Cullis Lake
64	18848	E.C. Manning
65	100672	Ikwavik
66	612	Kluana
67	18707	Kluana
68	66395	Queets Wilderness
69	101878	Skagit Valley
70	100873	Vuntut
71	626	Waterton Lakes
MEXICO		
206	101409	Alto Gais de California y Delta R. Colorado
207	67671	Bonampak
208	50570	Calakmul
209	107457	Cañon Santa Helena
210	32977	El Pinacate y Gran Desierto de Altar
211	104905	Sierra Azulera (Sierra Lacandona)
212	104651	Sierra de Madres del Carmen
213	19093	Sierra del Pinacate
UNITED STATES		
336	2804	Arctic
337	976	Big Bend
338	21322	Boundary Waters Canoe Area
339	35472	Cabeza Prieta
340	19771	Cabeza Prieta
341	973	Glacier
342	1010	Glacier Bay
343	35362	Glacier Bay
344	979	North Cascades
345	1020	Organ Pipe Cactus
346	21369	Passayen
348	13038	Tongass
349	988	Voyageurs
350	1005	Wrangell-St. Elias
351	35387	Wrangell-St. Elias



WORLD CONSERVATION
MONITORING CENTRE

Projection Lambert Azimuthal
Date Printed Jan 1996

Transfrontier Protected Areas Central and South America

PROTECTED AREAS

Map Site
Ref. Code Name of Area

ARGENTINA

- 4 16875 Chañy
- 5 30844 Complejo Islote Lobos
- 6 16873 Copanue - Caviahue
- 7 15 Iguazu
- 8 61817 Iguazu
- 9 7 Lanin
- 10 61820 Lanin
- 11 4329 Los Glaciares
- 12 97523 Nahuel Huapi
- 13 97490 Nahuel Huapi
- 14 2497 Nahuel Huapi -1

BELIZE

- 25 61957 Aguas Turbias
- 26 20230 Chichibul
- 27 3314 Columbia River
- 28 28850 Maya Mountains
- 29 20224 Rio Bravo
- 30 116297 Vaca Conservation Area

BOLIVIA

- 36 20035 Altamachi Vicuña
- 37 36 Eduardo Avaroa
- 38 20036 Huancaroma Vicuña
- 39 20049 Itenez
- 40 98183 Maddi
- 41 33 Sajama

BRAZIL

- 44 41090 Baixo Sao Miguel
- 45 5126 Guapore
- 46 60 Iguacu
- 47 34028 Pedras Negras
- 48 54 Pico da Neblina

CHILE

- 75 9414 Bernardo O'Higgins
- 76 9418 Huerquehue
- 77 9435 Las Vicuñas
- 78 86 Lauca
- 79 30043 Los Flamencos
- 80 111 Nuble
- 81 90 Puyehue
- 82 89 Torres del Paine
- 83 88 Vicente Pérez Rosales
- 84 91 Villarrica
- 85 10706 Villarrica

COLOMBIA

- 98 19993 Catatumbo-Bari
- 99 9400 La Paya
- 100 142 Los Katios
- 101 144 Tama

COSTA RICA

- 107 12493 Barra del Colorado
- 108 19402 Gandoca y Manzanillo
- 109 2553 La Amistad (Talamanca)
- 110 12491 Las Tablas
- 111 167 Tortuguero
- 112 30599 Tortuguero

ECUADOR

- 128 2499 Cuyabeno
- 129 186 Yasuni

EL SALVADOR

- 130 9638 Montecristo

GUATEMALA

- 155 102815 Fraternidad o Trifinio
- 347 30604 Mirador - Rio Azul
- 156 102817 Naachtún - Dos Lagunas

HONDURAS

- 159 18804 Montecristo-Trifinio
- 160 41013 Patuca
- 161 40996 Rio Negro

NICARAGUA

- 231 12652 Estero Real
- 232 30628 Rio Indio Maiz

PANAMA

- 245 238 Darién
- 246 16787 Isla Bastimentos
- 247 2552 La Amistad
- 248 102253 Lagunas de Volcán
- 249 17185 Palo Seco

PERU

- 252 249 Pacaya Samiria

SURINAME

- 305 278 Sipaliwini

VENEZUELA

- 353 101129 Cerro Machado - El Silencio
- 354 322 El Tama
- 355 318 Perijá
- 356 20068 Region Lago de Maracaibo, Sierra de Perijá
- 357 30640 San Antonio - Ureña
- 358 4367 Serranía de la Neblina

Projection Lambert Azimuthal
Data Printed: Jan 1998



WORLD CONSERVATION
MONITORING CENTRE

Northern Asia

Transfrontier Protected Areas

PROTECTED AREAS		
Map Ref.	Site Code	Name of Area
CHINA		
86	96016	Chang Bei Shen
87	96084	Da Lai Hu
88	95742	Fen Shui Ling Feng
89	95872	Gu Long Shan Shui Yuan Lin
90	95471	Hong He
91	95784	Jiang Cun
92	95481	Jing Bo Hu
93	95490	Mu Dan Feng
84	88116	Ta Shi Ku Er Gan
95	95818	Xia Lei Shui Yuan Lin
96	95476	Xing Kai Hu
87	95785	Zhang Mu
KYRGYZSTAN		
188	1875	Beah-Arai'skiy
MONGOLIA		
214	93579	Khovsgul Nuur
215	93538	Mongol Dagur
216	93588	Uvs Nuur Basin
RUSSIA		
265	1715	Boishekhehtairakiy
266	62684	Daurskiy
267	1726	Kedrovaya Pad
268	62691	Khenkaskiy
269	13988	Kostomukhskiy
270	68346	Kurakhskaya Kosa
271	1700	Laplanskiy
272	68351	Paanayarvi
273	62446	Pas'vik
274	66356	Turkinskiy
275	67722	Ubanurskaya Koltovina
UZBEKISTAN		
352	1761	Chalkaskiy



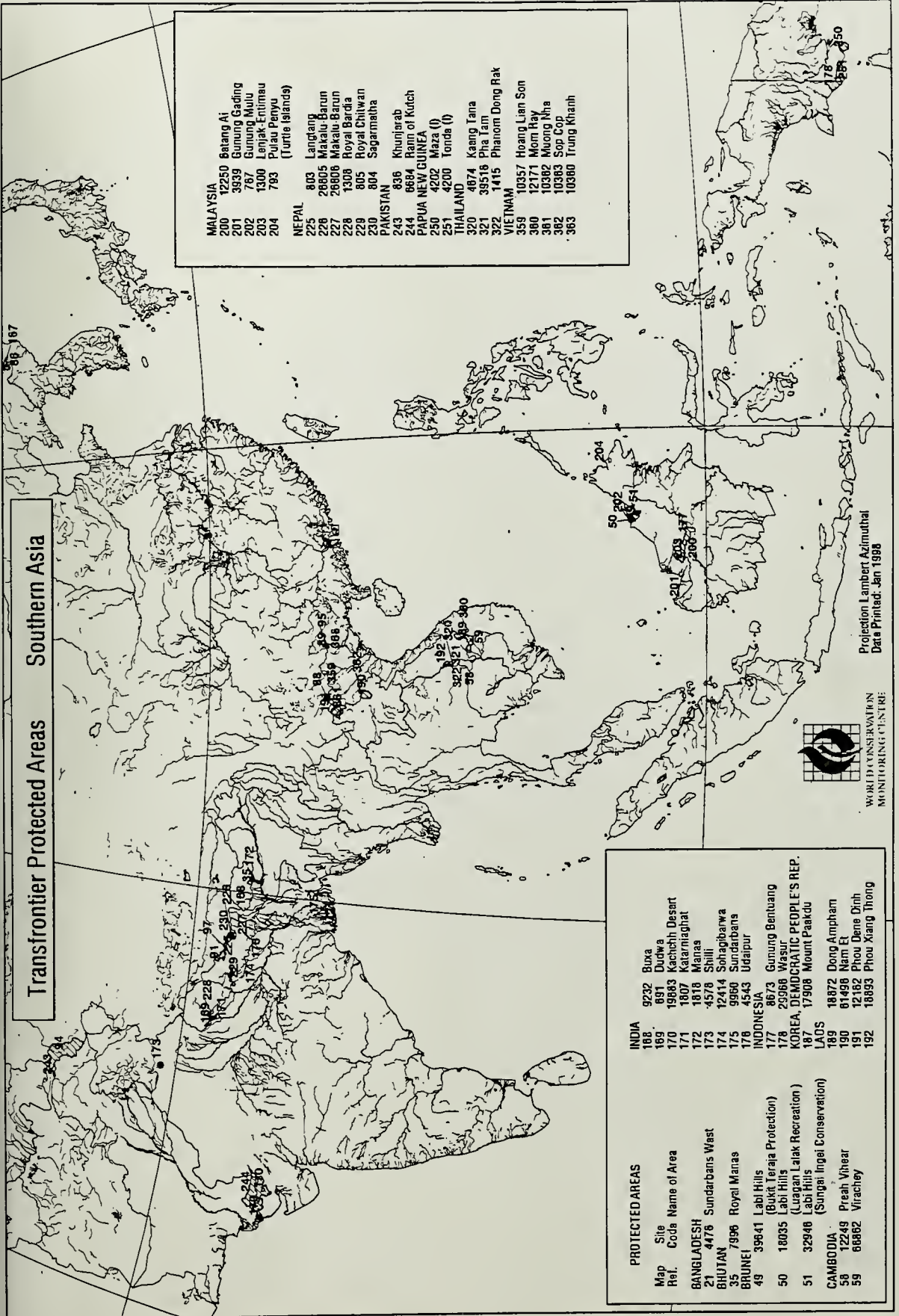
WORLD CONSERVATION
MONITORING CENTRE

Projection Lambert Azimuthal
Data Printed Jan 1998



Transfrontier Protected Areas

Southern Asia



- MALAYSIA**
- 12250 Batang Ai
- 280 3939 Gunung Gading
- 201 767 Gunung Mulu
- 202 1300 Lengak-Enimau
- 203 Pulau Penyu
- 204 783 (Turtle Islands)
- NEPAL**
- 803 Langtang
- 225 26605 Makau Barun
- 226 26606 Makau Barun
- 227 13008 Royal Bardia
- 228 805 Royal Chitwan
- 229 804 Sagarmatha
- 230
- PAKISTAN**
- 243 836 Khunjarab
- 244 6684 Ram of Kutch
- PAPUA NEW GUINEA**
- 250 4202 Maza (I)
- 251 4200 Tonda (I)
- THAILAND**
- 320 4874 Kaeng Tana
- 321 39516 Pha Tam
- 322 1415 Phanom Dong Rak
- VIETNAM**
- 359 10357 Hoang Lien Son
- 360 12171 Moom Ray
- 361 10362 Muong Nha
- 362 10363 Sop Cop
- 363 10360 Trung Khanh

- | Map Ref. | Site Code | Name of Area | INDIA |
|----------|-----------|--------------|---|
| | | | 9232 Buxa |
| | | | 185 891 Dudwa |
| | | | 170 19683 Kachchhh Desert |
| | | | 171 1807 Katerniaghat |
| | | | 172 1818 Mansa |
| | | | 175 4578 Shill |
| | | | 174 12414 Sohagbarwa |
| | | | 175 9060 Sundarbans |
| | | | 178 4543 Udaipur |
| | | | INDONESIA |
| | | | 177 8673 Gunung Bentuang |
| | | | 174 29068 Wasur |
| | | | KOREA, DEMOCRATIC PEOPLE'S REP. |
| | | | 187 17908 Mount Paekdu |
| | | | LAOS |
| | | | 18872 Dong Ampham |
| | | | 189 81498 Nam Et |
| | | | 191 12182 Phou Dene Drih |
| | | | 192 18893 Phou Xiang Thong |
| | | | BANGLADESH |
| | | | 21 4476 Sundarbans Wast |
| | | | BHUTAN |
| | | | 35 7996 Royal Manas |
| | | | BRUNEI |
| | | | 49 39841 Labi Hills |
| | | | 50 18035 (Buka Teraja Protection) Labi Hills |
| | | | 51 32948 (Luapan Lalak Recreation) Labi Hills |
| | | | (Sungai Ingel Conservation) |
| | | | CAMBODIA |
| | | | 58 12249 Preah Vihear |
| | | | 59 66862 Virachey |



WORLD CONSERVATION
MONITORING CENTRE

Projection Lambert Azimuthal
Date Printed: Jan 1998

Transfrontier Protected Areas Europe



WORLD CONSERVATION
MONITORING CENTRE

Projection: Lambert Azimuthal
Date Printed: Jan 1998

Map Ref.	Site Code	Name of Area
ITALY		
14618	Argentera	
179	Gran Paradiso	
716	Stelvio	
717		
LITHUANIA		
193	31552	Kursiu nerija
MACEDONIA		
194	2518	Gaičhica
195	1050	Mavrovo
196	1056	Pešter
NORWAY		
235	828	Femundsmarka
238	9906	Femundsmarka
237	833	Gutulia
238	125857	Lundaneset
239	822	Øvre Anarjokka
240	832	Øvre Pasvik
241	829	Rago
242	12297	Reisa
POLAND		
253	106687	Babiogórski
254	854	Białowieski
255	851	Bieszczadzki
256	852	Karkonoski
257	857	Pieninski
258	848	Tatrzański
259	12270	Zywiecki
PORTUGAL		
260	880	Peneda-Gerês
ROMANIA		
261	11150	Cazanele (Danube River)
262	28791	Danube Delta
263	31703	Letea
264	31702	Roșca-Buhetova
SLD VAKIA		
282	14115	Babia hora
283	12159	Biele Karpaty
284	14148	Cerova vrchovina
285	12160	Horna Orava
286	11812	Kysuca
287	12155	Male Karpaty
288	846	Pieninsky
289	4378	Slovensky kras
290	1975	Tatransky
291	12157	Východne Karpaty
292	19034	Zahorie
SLOVENIA		
293	2517	Triglavski
SPAIN		
301	893	Ordesa y Monte Perdido
SWEDEN		
306	108872	Haparanda skånsfjrd
307	1397	Haparanda-Sendaskär
308	905	Padjalanta
309	10401	Roogen
310	906	Saek
311	3998	Stora Sjöfallet
SWITZERLAND		
312	915	Swiss
UKRAINE		
332	4814	Dnianskije Pivni
333	1990	Karpaty
334	1746	Karpaty
335	1749	Polesky
YUGOSLAVIA		
365	2522	Djerdap (Serbia)
366	402	Durrës
367	15598	Tara (Serbia)
368		
AUSTRIA		
16	31412	Donau-March-Thaya-Auen
17	31402	Kalkthochalpen
18	82709	Neusiedler See - Seewinkel
19	1218	Neusiedlersee
20	31408	Untere Marchauen
BELARUS		
22	1985	Belavežskaya Pushcha
23	1844	Prypyatskiy
BELGIUM		
24	18950	Haites-Fagnes-Eifel
BOSNIA HERZEGOVINA		
42	1055	Sutjeska
CROATIA		
114	15602	Kopački Rit
115	15605	Kopački Rit
CZECH REPUBLIC		
118	4287	Bezkovy
117	12154	Blie Karpaty
118	845	Křkonos
119	4275	Laboske pískovce
120	30721	Podjil LPA
121	4280	Sumava
122	28059	Sumava
124	4282	Sumava CHKO
125	2558	Třebensko
DENMARK		
126	5782	Vadehavet
127	17703	Vadehavet
FINLAND		
131	102007	Juortansalo-Lapinsuo
132	854	Lemmenjoki
133	102041	Lososuo-Saarijervi
134	858	Oulanka
135	40928	Perämeri
136	1523	Uvinsalo
137	2581	Urho Kakkonen
FRANCE		
138	884	Mercantour
139	862	Pyrénées Occidentales
140	861	Vanoise
141	6307	Vosges du Nord
GERMANY		
143	84659	Bayerischer Wald
144	30116	Dollart
145	33391	Holsteinische Schweiz
146	11837	Niederöbhisches Wattenmeer
147	1541	Nord-Sylt
148	6971	Norddele
149	82258	Nordfriesisches Wattenmeer
150	4380	Rantumbencken
151	11800	Sachsische Schweiz
152	32888	Sachsische Schweiz
153	32889	Schleswig-Holsteinisches Wattenmeer
GREECE		
154	874	Preopsea
HUNGARY		
182	13852	Aggteleki
183	890	Baranya
184	100708	Danube-Drava
185	9568	Fertő-tel
186	30853	Karancs-Mecvas
187	9683	Monacsi-Tornetemi-Emlékely



Transfrontier Protected Areas Africa

PROTECTED AREAS

Map Ref.	Site Code	Name of Area
1	347	Iona
2	4493	Luiana
3	2251	Mocamedes
BENIN		
31	2254	Atakore
32	597	Boucie de la Poudjari
33	2253	Pandjari
34	12201	W (Benin)
BOTSWANA		
43	7508	Gamsbok
BURKINA FASO		
52	9284	Ariv
53	4488	Ariv
54	3228	Kouitigou
55	3228	Pama
56	1048	W du Burkina Faso
BURUNDI		
57	9181	Kibira
CAMEROON		
64	20058	Korup
CENTRAL AFRICAN REPUBLIC		
72	31456	Dzanga-Ndoki
73	31456	Dzanga-Sangha
74	2261	Yala-Ngaya
CONGO		
102	72332	Nouabale-Ndoki
CONGO, DEM. REP. OF (FORMERLY ZAIRE)		
103	1093	Garamba
104	20331	Ruisshuru
105	1061	Vrunga
COTE D'IVOIRE		
113	1295	Mont Nimba
GAMBIA		
142	2290	Niumi/Sine Saloum
GUINEA		
157	29069	Badjar
158	29087	Mount Nimba
KENYA		
162	758	Amboseli
163	2417	Boni
164	1297	Maasai Mara
165	780	Mount Elgon
168	19584	Tsavo West
MALAWI		
197	780	Kaunungu
198	779	Nyika
199	4648	Vwaza Marsh
MAURITANIA		
205	9310	Dawling
MOZAMBIQUE		
217	799	Banhine
218	20285	Limpopo Valley
219	4652	Maputo
220	800	Zinave
NAMIBIA		
221	8785	Ai-Aia Hot Springs
222	7442	Caprivi
223	30052	Mamili
224	885	Skeleton Coast

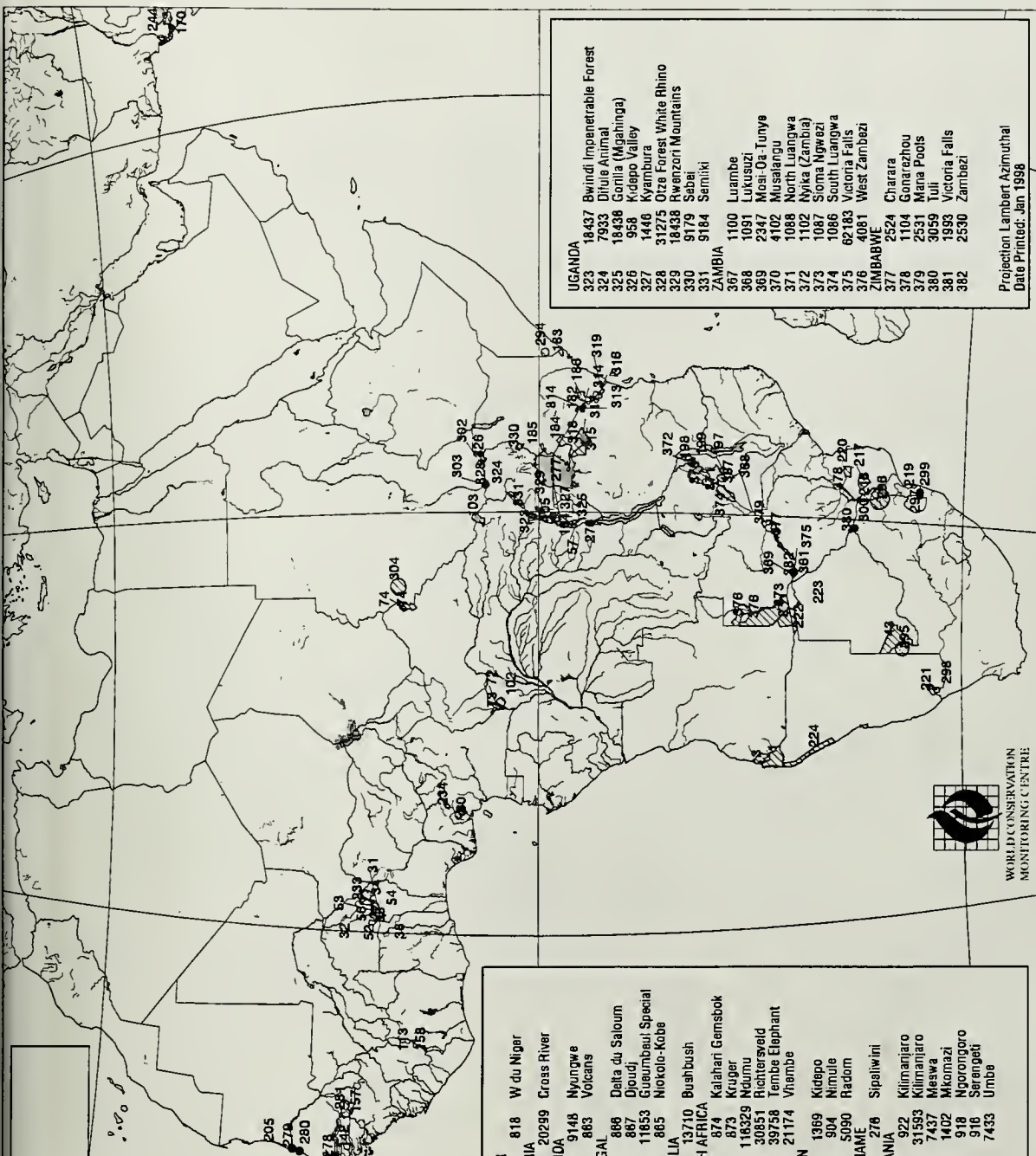
NIGER		
233	818	W du Niger
NIGERIA		
234	20299	Cross River
RWANDA		
276	9148	Nyungwe
277	863	Volcans
SENEGAL		
278	886	Delta du Saloum
279	867	Djoudi
280	11853	Guesmbau Special
281	865	Niokolo-Koba
SOMALIA		
294	13710	Bushbush
SOUTH AFRICA		
295	874	Kalahari Gamsbok
296	873	Kruger
297	116329	Ndumu
298	30851	Richtersveld
299	39758	Tembe Elephant
300	21174	Vhembe
SUDAN		
302	1369	Kidpo
303	904	Nimule
304	5090	Redom
SURINAME		
305	276	Sipajiwini
TANZANIA		
313	922	Kilimanjaro
314	31563	Kilimanjaro
315	7437	Mesawa
318	1402	Mkomazi
317	918	Ngorongoro
318	918	Serengeti
319	7433	Umbe



WORLD CONSERVATION
MONITORING CENTRE

UGANDA		
323	18437	Bwindi Impenetrable Forest
324	7933	Dihle Animal
325	18438	Gonila (Mapungu)
326	958	Kidepo Valley
327	1446	Kyambura
328	31275	Orze Forest White Rhino
329	18438	Rwenzori Mountains
330	9179	Sabai
331	9184	Semliki
ZAMBIA		
367	1100	Luambe
368	1091	Lukusuzi
369	2347	Mosi-Oa-Tunya
370	4102	Musaruru
371	1088	North Luangwa
372	1102	Nyika (Zambia)
373	1087	Sims Ngamezi
374	1086	South Luangwa
375	62183	Victoria Falls
376	4081	West Zambezi
ZIMBABWE		
377	2524	Charara
378	1504	Gonarezhou
379	2531	Marfa Pools
380	3039	Vuli
381	1993	Victoria Falls
382	2530	Zambezi

Projection Lambert Azimuthal
Date Printed: Jan 1998



Transfrontier Protected Areas Europe

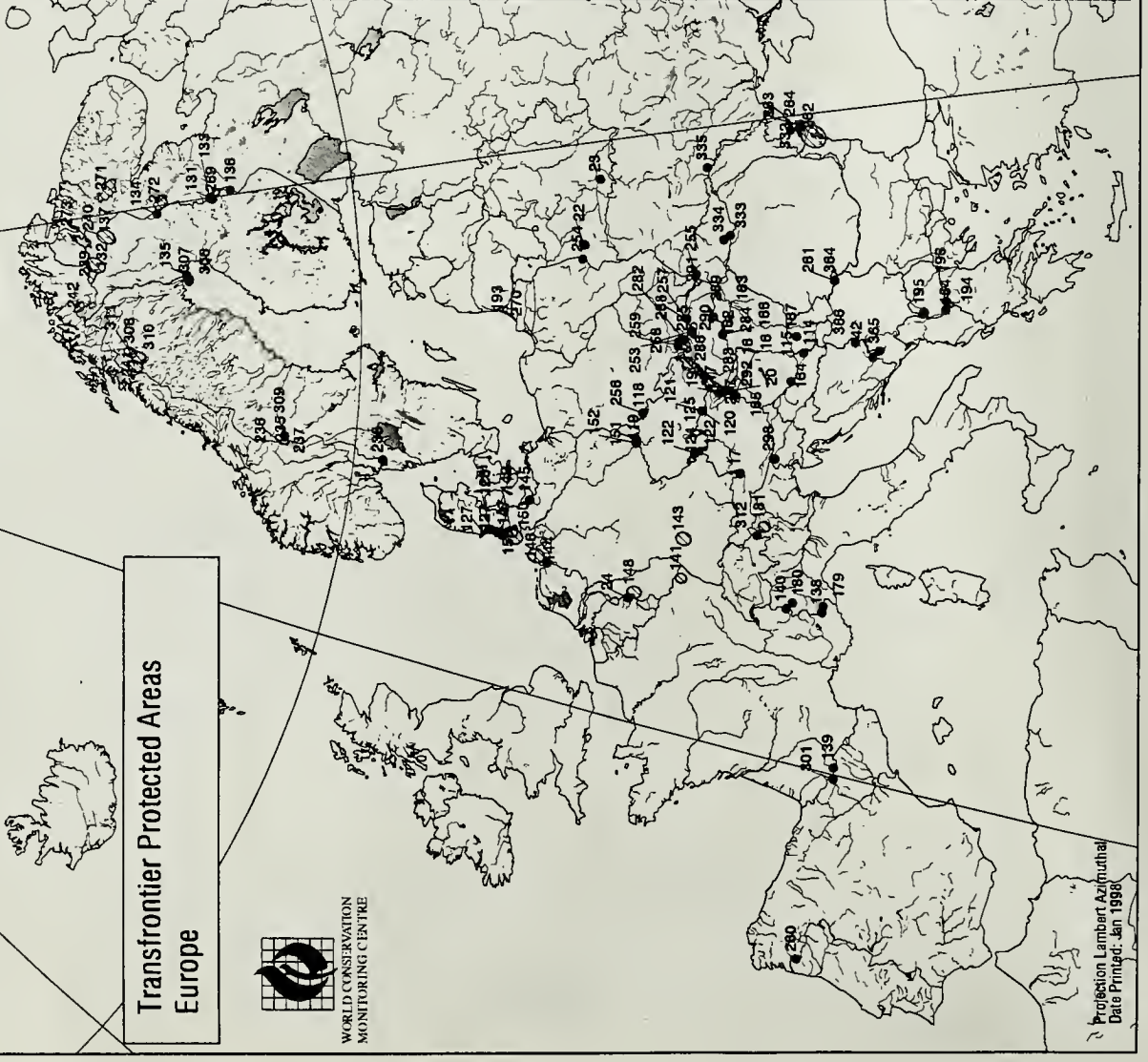


WORLD CONSERVATION
MONITORING CENTRE

Projection Lambert-Azimuthal
Date Printed: Jan. 1998

PROTECTED AREAS

Map Ref.	Site Code	Name of Area
AUSTRIA		
16	31412	Donau-March-Thaya-Auen
17	31402	Kalkhochalpen
18	62709	Neusiedler See - Seewinkel
19	1218	Neusiedlersee
20	31408	Untere Marchauen
BELARUS		
22	1985	Belovezhskaya Pushcha
23	1644	Prpyatskiy
BELGIUM		
24	18950	Hautes-Fagnes-Eifel
BOSNIA HERZEGOVINA		
42	1055	Sudjaska
CROATIA		
114	15602	Kopacki Rit
115	15605	Kopacki Rit
CZECH REPUBLIC		
116	4267	Beskydy
117	12154	Bile Karny
118	645	Krkonoše
119	4275	Lebské pískovce
120	30721	Podjí LPA
121	4280	Podjí LPA
122	26059	Sumava CHKO
123	4282	Sumava CHKO
125	2558	Třebensko
DENMARK		
126	5762	Vadehavet
127	17703	Vadehavet
FINLAND		
131	102007	Jortransaalo-Lapinsuo
132	654	Leimhenjoki
133	102041	Lososuo-Saarijärvi
134	656	Oulanka
135	40928	Pärlämpi
136	1523	Ulvassalo
137	2561	Urho Kekkonen
FRANCE		
138	684	Mercantour
139	682	Pyrenées Occidentales
140	661	Vanoise
141	6307	Vosges du Nord
GERMANY		
143	84659	Bayerischer Wald
144	30116	Dollart
145	33391	Holsteinsche Schweiz
146	11837	Niedersächsisches Wattenmeer
147	1541	Nord-Sylt
148	6971	Nordelbe
149	82256	Nordriesisches Wattenmeer
150	4380	Rantumbecken
151	11800	Sächsisches Schweiz
152	32666	Sächsisches Schweiz
153	32669	Schleswig-Holsteinisches Wattenmeer
GREECE		
154	674	Prespas
HUNGARY		
162	13652	Aggteleki
163	680	Bukki
164	100738	Danube-Drava
165	9568	Fertő-tavi
166	30853	Karancs-Medves
167	9683	Mohacsi Tortenalmi Emlekhely
ITALY		
179	14818	Argentera
180	718	Gran Paradiso
181	717	Sielvico
LITHUANIA		
193	31552	Kursiu nerija
MACEDONIA		
194	2516	Galichica
195	1050	Mavrovo
196	1058	Pelister
NORWAY		
235	826	Femundsmatka
236	9906	Femundsmatka
237	833	Gutulia
238	125857	Lundneset
239	822	Dvire Anarokka
240	832	Dvire Pesvik
241	829	Raop
242	12297	Reisa
POLAND		
253	106887	Babioński
254	854	Bialowiecki
255	851	Bieszczadzki
256	852	Karkonoski
257	857	Pieniński
258	848	Tarzański
259	12270	Zywiecki
PORTUGAL		
260	860	Peneda Gerês
ROMANIA		
281	11450	Cazanele (Danube Rwer)
282	28791	Danube Delta
283	31703	Letea
284	31702	Rosca-Buhavoa
SLOVAKIA		
282	14115	Babia hora
283	12159	Biele Karpaty
284	14148	Cerova vrchovina
285	12160	Horna Orava
286	11812	Kysuce
287	12155	Male Karpaty
288	646	Pieniński
289	4376	Slovensky kras
290	1975	Tatransky
291	12157	Vychodne Karpaty
292	19034	Zahone
SLOVENIA		
293	2517	Triglavski
SPAIN		
301	853	Ordese y Monte Perdido
SWEDEN		
306	106872	Haparanda skärgård
307	1397	Haparanda-Sandsvär
308	905	Padjantia
309	10401	Rogen
310	908	Sarek
311	3998	Stora Sjöfallet
SWITZERLAND		
312	915	Swiss
UKRAINE		
332	4814	Dunaiske Plavní
333	1990	Karpatsky
334	1745	Karpatsky
335	1749	Poleskiy
YUGOSLAVIA		
364	2522	Djerdap (Serbia)
365	1051	Durmitor (Montenegro)
366	15596	Tara (Serbia)



Transfrontier Protected Areas North America



PROTECTED AREAS

Map Ref.	Site Code	Name of Area
CANADA		
61	21193	Akamina Kishineua
62	4185	Cathedral
63	65159	Cultus Lake
64	18646	E.C. Manning
65	100672	Iwavik
66	612	Kluane
67	18707	Kluane
68	66395	Quetico Wilderness
69	101678	Skegit Valley
70	100873	Vuntut
71	626	Waterton Lakes
MEXICO		
101409		Alto Golfo de California y Delta R. Colorado
207	67671	Bonampak
208	19570	Catalmul
209	101457	Cañón Santa Helena
210	32971	El Pinacate y Gran Desierto de Altar
211	14305	Montes Azules (Selva Lacandona)
212	101431	Sierra de Madres del Carmen
213	18091	Sierra del Pinacate
UNITED STATES		
336	2904	Arctic
337	976	Big Bend
338	21322	Boundary Waters Canoe Area
339	35472	Cabaza Prieta
340	13771	Cabaza Prieta
341	973	Glacier Bay
342	1010	Glacier Bay
343	35382	Glacier Bay
344	970	North Cascades
345	1020	Organ Pipe Cactus
346	21369	Pasayten
348	13038	Tongass
349	988	Voyagers
350	1005	Wrangell St. Elias
351	35387	Wrangell-St. Elias



WORLD CONSERVATION
MONITORING CENTRE

Projection Lambert Azimuthal
Date Printed: Jan 1996

Transfrontier Protected Areas

Northern Asia



PROTECTED AREAS

Map Ref.	Site Code	Name of Area
	96016	Chang Bai Shan
88	96064	Da Lai Hu
88	95742	Fen Shui Ling Feng
89	95872	Gu Long Shan Shui Yuan Lin
90	95471	Hong He
91	95784	Jang Cun
92	95461	Jing Bo Hu
93	95460	Mu Dan Feng
94	96118	Ta Shi Ku Er Gan
95	95618	Xia Lei Shui Yuan Lin
96	95478	Xing Kai Hu
97	95785	Zhang Mu
	188	Besh-Aral'skiy
	1675	Chatkatskiy
	214	Khovsui Nuur
215	93538	Mongol Dacuur
218	93588	Uvs Nuur Basin
	285	Boleshekehtsitskiy
286	82984	Daur'skiy
287	1776	Kedrovaya Pad
288	89691	Kranak'skiy
289	13988	Kosomuk'skiy
270	68348	Kursitskaya Kosa
271	9740	Laplend'skiy
272	88351	Paanyarvi
273	82446	Pastik
274	88358	Tunkinskiy
275	87722	Ubsunurskaya Kollivna
	1761	Chatkatskiy
352		



WORLD CONSERVATION
MONITORING CENTRE
Projection Lambert Azimuthal
Date Printed Jan 1998

Transfrontier Protected Areas Central and South America

PROTECTED AREAS

Map Site
Ref. Code Name of Area

ARGENTINA

- 4 16875 Chañy
- 5 30844 Complejo Islote Lobos
- 6 16873 Copahue - Caviahue
- 7 15 Iguazú
- 8 61817 Iguazú
- 9 7 Lanin
- 10 61820 Lanin
- 11 4329 Los Glaciares
- 12 87523 Nahuel Huapi
- 13 97490 Nahuel Huapi
- 14 2497 Nahuel Huapi -1

BELIZE

- 25 61957 Aguas Turbias
- 26 20230 Chiquibul
- 27 3314 Columbia River
- 28 28850 Maya Mountains
- 29 20224 Río Bravo

Conservation Area

- 30 116297 Vaca

BOLIVIA

- 36 20035 Altamachi Vicuña
- 37 36 Eduardo Avaroa
- 38 20036 Huancaroma Vicuña
- 39 20049 Iténez
- 40 98183 Madidi
- 41 33 Sajama

BRAZIL

- 44 41090 Baxo Sao Miguel
- 45 5126 Guaporé
- 46 60 Iguazu
- 47 34028 Pedras Negras
- 48 54 Pico da Neblina

CHILE

- 75 9414 Bernardo O'Higgins
- 76 9418 Huerquehue
- 77 9435 Las Vicuñas
- 78 86 Lauca
- 79 30043 Los Flamencos
- 80 111 Nubia
- 81 90 Puyehue
- 82 89 Torres del Paine
- 83 88 Vicente Pérez Rosales
- 84 91 Villarrica
- 85 10706 Villarrica

COLOMBIA

- 98 19993 Catatumbo-Bari
- 99 9400 La Paya
- 100 142 Los Katios
- 101 144 Tamá

COSTA RICA

- 107 12493 Barra del Colorado
- 108 19402 Gandoca y Manzanillo
- 109 2553 La Amistad (Talamanca)
- 110 12491 Las Tablas
- 111 167 Tortuguero
- 112 30599 Tortuguero

ECUADOR

- 128 2499 Cuyabeno
- 129 186 Yasuni

EL SALVADOR

- 130 9638 Montecristo

GUATEMALA

- 155 102615 Fraternidad o Trifinio
- 347 30604 Mirador - Río Azul
- 156 102817 Naachtún - Dos Lagunas

HONDURAS

- 159 18804 Montecristo-Trifinio
- 180 41013 Patuca
- 161 40996 Río Negro

NICARAGUA

- 231 12652 Estero Real
- 232 30828 Río Indio Maiz

PANAMA

- 245 238 Darién
- 246 16787 Isla Bastimentos
- 247 2552 La Amistad
- 248 102253 Lagunas de Volcán
- 248 17185 Palo Seco

PERU

- 252 249 Pacaya Samiría

SURINAME

- 305 278 Sipaliwini

VENEZUELA

- 353 101129 Cerro Machado - El Silencio
- 354 322 El Tamá
- 355 318 Perijá
- 356 20068 Región Lago de Maracaibo, Sierra de Perijá
- 357 30640 San Antonio - Ureña
- 358 4387 Serranía de la Neblina

Projection Lambert Azimuthal
Date Printed: Jan 1998



WORLD CONSERVATION
MONITORING CENTRE

Transfrontier Protected Areas Southern Asia



MALAYSIA	
200	12250 Batang Ai
201	3939 Gunung Gading
202	787 Gunung Mulu
203	1300 Lanjak-Entimau
204	793 Pulau Penyu (Turtle Islands)
NEPAL	
225	803 Langtang
226	26605 Makalu-Barun
227	26606 Makalu-Barun
228	1308 Royal Bardia
229	805 Royal Chitwan
230	804 Sagarmatha
PAKISTAN	
243	838 Khunjerab
244	6684 Ram of Kutch
PAPUA NEW GUINEA	
250	4202 Maza (I)
251	4200 Monda (I)
THAILAND	
320	4874 Kaeng Tana
321	39518 Pha Tam
322	1415 Phnom Dong Rak
VIETNAM	
359	10357 Hoang Lien Son
360	12171 Mom Ray
361	10362 Muong Nhe
362	10383 Sop Cop
363	10380 Trung Khanh

PROTECTED AREAS	
Map Ref.	Site Code Name of Area
INDIA	
9232	Buxa
168	Dudwa
691	Kachohh Desert
170	19683 Katerniaghat
171	1807 Maras
172	1818 Shilli
173	4578 Sohagbarwa
174	12414 Sundarbans
175	9860 Sundarbans
176	4543 Udaipur
INDONESIA	
177	8673 Gunung Bentuang
178	29966 Wesur
KOREA, DEMOCRATIC PEOPLE'S REP.	
187	17908 Mount Paekdu
LADS	
18872	Dong Ampham
189	61498 Nam Et
191	12182 Phou Dene Dinh
192	18893 Phou Xiang Thong
BANGLADESH	
21	4478 Sundarbans West
BHUTAN	
35	7996 Royal Manas
BRUNEI	
49	39641 Labi Hills (Bukit Teraja Protection)
50	18035 Labi Hills (Luapan Lalak Recreation)
51	32948 Labi Hills (Sungai Ingei Conservation)
CAMBODIA	
58	12249 Preah Vihear
59	88882 Virachey



WORLD CONSERVATION MONITORING CENTRE

Projection Lambert Azimuthal
Date Printed: Jan. 1998