

INTERNATIONAL UNION FOR CONSERVATION OF NATURE
AND NATURAL RESOURCES



**MAB Information System
Biosphere Reserves
Compilation 3, September 1983**

Prepared for Unesco by the
IUCN Conservation Monitoring Centre

A contribution to the Global Environment Monitoring System

BIO THIOLET NATIONAL PRESERVE

The MAB Information System was established to better manage the operational activities undertaken by nearly 100 countries in Unesco's Man and Biosphere (MAB) Programme. Using specially designed computer systems, it provides continuously updated information on MAB field projects, biosphere reserves and other activities, on the basis of which a variety of tabulations and reports can be made. The information presented is intended to highlight similarities and complementarities between MAB activities which could serve as a basis for eventual link-ups among them, as well as to provide comprehensive listings of scientists participating in the MAB Programme. It is thus hoped that the MAB Information System will facilitate project coordination and the exchange of information and personnel within the framework of MAB. So far, compilations have been issued for the inventory of MAB field research projects ('Blue Series'), for biosphere reserves ('Red Series'), and for research publications (in the journal 'Ecology Abstracts').

For more information, write: MAB Secretariat, UNESCO,
7 Place de Fontenoy, 75700 Paris, FRANCE.

Le Système d'information du MAB a été établi afin de mieux gérer les activités opérationnelles lancées par une centaine de pays dans le cadre du Programme de l'Unesco sur l'Homme et la biosphère (MAB). Utilisant des systèmes d'informatique spécialement conçus, il fournit des données à jour sur les projets MAB sur le terrain, les réserves de la biosphère et d'autres activités, et permet la préparation de tableaux et de rapports de différentes natures. L'information présentée devrait permettre la mise en relief des similarités et des complémentarités existant entre les activités du MAB, et permettrait le développement éventuel des liens entre ces activités, ainsi que l'établissement des listes aussi complètes que possible des scientifiques participant au Programme MAB. Le Système d'information du MAB devrait alors faciliter la coordination des projets, ainsi que l'échange d'information et de personnel dans le cadre du MAB. Des compilations ont déjà été établies pour les projets MAB sur le terrain ("Série bleue"), pour les Réserves de la biosphère ("Série rouge") et pour la publication des résultats de la recherche (dans la revue "Ecology Abstracts").

Pour tout renseignement, contacter: Secrétariat du MAB,
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List of Biosphere Reserves by country

	Area (ha)	Year Listed
ARGENTINA		
Reserva de la Biosfera "San Guillermo"	981,460	1980
Reserva Natural de Vida Silvestre "Laguna Blanca"	770,000	1982
AUSTRALIA		
Danggali Conservation Park	253,230	1976
The Unnamed Conservation Park of South Australia	2,132,600	1977
Prince Regent River Nature Reserve	633,825	1977
Kosciusko National Park	625,525	1977
Southwest National Park	403,240	1977
Fitzgerald River National Park	242,727	1977
Uluru (Ayers Rock-Mount Olga) National Park	132,550	1977
Hattah-Kulkyne NP & Murray-Kulkyne Park	49,550	1977
Croajingolong	101,000	1977
Yathong Nature Reserve	87,698	1977
Macquarie Island Nature Reserve	12,343	1977
Wilson's Promontory National Park	49,000	1981
AUSTRIA		
Neusiedler See-Osterreichischer Teil	25,000	1977
Gurgler Kamm	1,500	1977
Lobau Reserve	1,000	1977
Gossenkollesee	100	1977
BOLIVIA		
Reserva Biologica de Ulla Ulla	200,000	1977
Parque Nacional Pilon-Lagas	100,000	1977
BULGARIA		
Parc national Steneto	1,865	1977
Reserve Djendema	1,775	1977
Reserve Maritchini ezera	1,510	1977
Reserve Parangalitza	1,509	1977
Reserve Baevi doupki	1,449	1977
Reserve Boatine	1,228	1977
Reserve Doupkata	1,210	1977
Reserve Koupena	962	1977
Reserve Bistrichko Branichte	943	1977
Reserve Tchouprene	936	1977
Reserve Tsaritchina	616	1977
Reserve Srebarna	600	1977
Reserve Mantaritza	576	1977
Reserve Ouzounbodjak	575	1977
Reserve Tchervenata stena	571	1977
Reserve Kamtchia	556	1977
Reserve Alibotouch	530	1977
BYELORUSSIAN S.S.R.		
Berezinsky Reserve	76,201	1978

CAMEROON		
Parc National de Waza	170,000	1979
Reserve forestiere et de faune du Dja	500,000	1981
Parc National de la Benoue	180,000	1981
CANADA		
Mont St Hilaire	5,550	1978
Waterton Lakes National Park	52,597	1979
CENTRAL AFRICAN REPUBLIC		
Basse-Lobaye Forest	18,200	1977
Bamingui Bangoran Conservation Area	1,622,000	1979
CHILE		
Parque Nacional Juan Fernandez	18,300	1977
Parque Nacional Fray Jorge	9,845	1977
Torres del Paine National Park	163,000	1978
Laguna San Rafael NP (incl. El Guayaneco NP)	1,380,613	1979
Parque Nacional Lauca	520,000	1981
Reserva de la Biosfera "Araucarias"	81,000	1983
CHINA		
Changbai Nature Reserve	217,235	1979
Wolung Nature Reserve	207,210	1979
Dinghu Nature Reserve	1,200	1979
COLOMBIA		
El Tuparro Nature Reserve	928,125	1979
Cinturon Andino Cluster Biosphere Reserve	855,000	1979
Sierra Nevada de Santa Marta (incl. Tayrona NP)	731,250	1979
CONGO		
Parc National d'Odzala	110,000	1977
COSTA RICA		
Reserva de la Biosfera de la Amistad	500,000	1982
CZECHOSLOVAKIA		
Trebon Basin Reserve	70,000	1977
Krivoklatsko Reserve	62,792	1977
Slovak Karst Reserve	36,100	1977
DENMARK - Greenland		
Northeast Greenland National Park	70,000,000	1977
EGYPT		
Omayed Experimental Research Area	1,000	1981
FRANCE		
Reserve Nationale de Camargue	13,117	1977
Foret Domaniale du Fango	6,410	1977
Atoll de Taiaro	2,000	1977
GABON		
Reserve naturelle integrale d'Ipassa-Makokou	15,000	1983

GERMAN DEMOCRATIC REPUBLIC		
Steckby-Loedderitz Forest Nature Reserve	2,113	1979
Vessertal Nature Reserve	1,384	1979
GERMANY, FEDERAL REPUBLIC OF		
Bayerischer Wald National Park	13,100	1981
GHANA		
Bia National Park	7,770	1983
GREECE		
Gorge of Samaria National Park	4,840	1981
Mount Olympus National Park	4,000	1981
GUINEA		
Reserve de la Biosphere du Massif du Ziama	116,170	1980
Reserve de la Biosphere des Monts Nimba	17,130	1980
HONDURAS		
Rio Platano Biosphere Reserve	500,000	1980
HUNGARY		
Hortobagy National Park	52,000	1979
Kiskunsag Biosphere Reserve	22,095	1979
Biosphere Reserve of Aggtelek	19,246	1979
Lake Fertő Biosphere Reserve	12,542	1979
Pilis Biosphere Reserve	23,000	1980
INDONESIA		
Tanjung Puting Nature Park	205,000	1977
Lore Lindu National Park	131,000	1977
Komodo National Park	59,000	1977
Cibodas Reserve	1,040	1977
Gunung Leuser National Parks	946,400	1981
Siberut Nature Reserve	6,000	1981
IRAN		
Touran Protected Area	1,000,000	1976
Kavir National Park	700,000	1976
Lake Urmieh National Park	462,600	1976
Golestan National Park	125,895	1976
Hara Protected Area	85,686	1976
Miankaleh Protected Area	68,800	1976
Arjan Protected Area	65,750	1976
Arasbaran Protected Area	52,000	1976
Geno Protected Area	49,000	1976
IRELAND		
North Bull Island	1,390	1981
Killarney National Park	8,038	1982
ITALY		
Foret Domaniale du Circeo	3,260	1977
Collemeluccio-Montedimezzo	478	1977
Miramare Marine Park	60	1979

IVORY COAST

Parc National de Tai	330,000	1977
Parc national de la Comoe	1,150,000	1983

JAPAN

Mount Hakusan	48,000	1980
Mount Odaigahara & Mount Omine	36,000	1980
Yakushima Island	19,000	1980
Shiga Highland	13,000	1980

KENYA

Mount Kulal Biosphere Reserve	700,000	1978
Mount Kenya Biosphere Reserve	71,759	1978
Malindi-Watamu Biosphere Reserve	19,600	1979
Kiunga Marine National Reserve	60,000	1980

KOREA, REPUBLIC OF

Mt. Sorak Biosphere Reserve	37,430	1982
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MALI

Parc National de la Boucle du Baoule (etc)	771,000	1982
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MAURITIUS

Macchabee/Bel Ombre Nature Reserve	3,594	1977
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MEXICO

Reserva de Mapimi	100,000	1977
Reserva de la Michilia	42,000	1977
Montes Azules	331,200	1979

NIGERIA

Omo Reserve	460	1977
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NORWAY - Svalbard and Jan Mayen Islands

Northeast Svalbard Nature Reserve	1,555,000	1976
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PAKISTAN

Lal Sohara National Park	31,355	1977
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PANAMA

Darien National Park	575,000	1983
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PERU

Reserva del Manu	1,881,200	1977
Reserva del Noroeste	226,300	1977
Reserva de Huascaran	59,239	1977

PHILIPPINES

Puerto Galera Biosphere Reserve	23,525	1977
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POLAND

Slowinski National Park	18,069	1976
Bialowieza National Park	5,069	1976
Babia Gora National Park	1,728	1976
Luknajno Lake Reserve	710	1976

PORTUGAL		
Paul do Boquilobo	395	1981
ROMANIA		
Retezat National Park	20,000	1979
Rosca-Letea Reserve	18,145	1979
Pietrosu Mare Nature Reserve	3,068	1979
RWANDA		
Parc national des Volcans	15,065	1983
SENEGAL		
Foret classée de Samba Dia	756	1979
Delta du Sine Saloum	180,000	1980
Parc National du Niokolo-Koba	913,000	1981
SPAIN		
Reserva de Ordesa-Vinamala	51,396	1977
Reserva de Grazalema	32,210	1977
Parque Natural del Montseny	17,372	1978
Reserva de la Biosfera de Donana	77,260	1980
Reserva de la Biosfera de la Mancha Humeda	25,000	1980
Las Sierras de Cazorla y Segura Biosphere Reserve	190,000	1983
Reserva de la Biosfera de las Marismas del Odiel	8,728	1983
Reserva de la Biosfera del Canal y los Tiles	511	1983
SRI LANKA		
Hurulu Forest Reserve	512	1977
Sinharaja Forest Reserve	8,900	1978
SUDAN		
Radom National Park	1,250,970	1979
Dinder National Park	650,000	1979
SWITZERLAND		
Parc National Suisse	16,870	1979
TANZANIA, UNITED REPUBLIC OF		
Serengeti NP & Ngorongoro Conservation Area	2,305,000	1981
Lake Manyara National Park	32,900	1981
THAILAND		
Sakaerat Environmental Research Station	7,200	1976
Mae Sa-Kog Ma Reserve	14,200	1977
Hauy Tak Teak Reserve	4,700	1977
TUNISIA		
Parc National de Djebel Bou-Hedma	11,625	1977
Parc National de l'Ichkeul	10,770	1977
Parc National de Djebel Chambi	6,000	1977
Parc National des Iles Zembra et Zembretta	4,030	1977
UGANDA		
Ruwenzori National Park	220,000	1979

UNION OF SOVIET SOCIALIST REPUBLICS

Sikhote-Alin Reserve	340,200	1978
Caucasian Reserve	263,500	1978
Repetek Reserve	34,600	1978
Sary-Chelek Reserve	23,868	1978
Priokosko-Terrasny Reserve	4,945	1978
Central-Chernozem Reserve	4,795	1978

UNITED KINGDOM

Isle of Rhum National Nature Reserve	10,560	1976
Moor House-Upper Teesdale Biosphere Reserve	7,399	1976
Caerlaverock National Nature Reserve	5,501	1976
North Norfolk Coast Biosphere Reserve	5,497	1976
Beinn Eighe National Nature Reserve	4,800	1976
Silver Flowe-Merrick Kells Biosphere Reserve	3,088	1976
Cairnsmore of Fleet National Nature Reserve	1,922	1976
Loch Druidibeg National Nature Reserve	1,658	1976
Dyfi National Nature Reserve	1,589	1976
St Kilda National Nature Reserve	842	1976
Braunton Burrows National Nature Reserve	596	1976
Claish Moss National Nature Reserve	480	1977
Taynish National Nature Reserve	326	1977

UNITED STATES

Noatak National Arctic Range	3,035,200	1976
Aleutian Islands National Wildlife Refuge	1,100,940	1976
Yellowstone National Park	898,349	1976
Denali National Park and Biosphere Reserve	782,000	1976
Everglades NP (incl. Ft. Jefferson NM)	585,867	1976
Glacier National Park	410,058	1976
Olympic National Park	363,379	1976
Sequoia-Kings Canyon National Parks	343,000	1976
Big Bend National Park	283,247	1976
Great Smoky Mountains National Park	208,403	1976
Organ Pipe Cactus National Monument	133,278	1976
Beaver Creek Experimental Watershed	111,300	1976
Rocky Mountain National Park	106,710	1976
Three Sisters Wilderness	80,900	1976
Jornada Experimental Range	78,297	1976
Desert Experimental Range	22,513	1976
Luquillo Experimental Forest (Caribbean NF)	11,340	1976
Fraser Experimental Forest	9,328	1976
Channel Islands National Monument	7,448	1976
Cascade Head Expt. Forest & Scenic Research Area	7,051	1976
San Dimas Experimental Forest	6,947	1976
Central Plains Experimental Range (CPER)	6,210	1976
Virgin Islands National Park	6,127	1976
H.J. Andrews Experimental Forest	6,100	1976
Hubbard Brook Experimental Forest	3,076	1976
Coram Experimental Forest (incl. Coram NA)	3,019	1976
Coweeta Hydrologic Laboratory	2,185	1976
San Joaquin Experimental Range	1,832	1976
Stanislaus-Tuolumne Experimental Forest	607	1976
The Virginia Coast Reserve	13,511	1979
The University of Michigan Biological Station	4,048	1979
Konza Prairie Research Natural Area	3,486	1979

Niwot Ridge Biosphere Reserve	1,200	1979
Isle Royale National Park	215,740	1980
Hawaii Islands Biosphere Reserve	104,396	1980
Big Thicket National Preserve	34,217	1981
Guanica Commonwealth Forest Reserve	4,006	1981
South Atlantic Coastal Plain Biosphere Reserve	444,335	1983
Central Gulf Coastal Plain Biosphere Reserve	72,964	1983
California Coast Ranges Biosphere Reserve	59,284	1983
URUGUAY		
Banados del Este	200,000	1976
YUGOSLAVIA		
Reserve Ecologique du Bassin de la Riviere Tara	200,000	1976
The Velebit Mountain	150,000	1977
ZAIRE		
Reserve Floristique de Yangambi	250,000	1976
Forest Reserve de Luki	33,000	1979
Vallee de la Lufira	14,700	1982

Locations of Biosphere Reserves

Aleutian Islands National Wildlife Refuge (US)	52°55'N; 172°24'W
Arasbaran Protected Area (Iran)	39°07'N; 47°01'E
Arjan Protected Area (Iran)	30°00'N; 52°12'E
Atoll de Taiaro (French polynesia)	15°42'N; 144°38'W
Babia Gora National Park (Poland)	49°31'-36'N; 19°28'-36'E
Bamingui Bangoran Conservation Area (CAR)	07°06'-08°04'N; 18°56'-20°21'E
Banados del Este (Uruguay)	32°-35°S; 53°-55°W
Basse-Lobaye Forest (CAR)	03°40'N; 17°50'E
Bayerischer Wald National Park (FRG)	48°55'N; 13°23'E
Beaver Creek Experimental Watershed (US)	34°32'N; 111°65'W
Beinn Eighe National Nature Reserve (UK)	57°30'-39'N; 05°18'-30'W
Berezinsky Reserve (Byelorussian SSR)	54°07'N; 28°15'E
Bia National Park (Ghana)	06°32'-37'N; 03°02'-08'W
Bialowieza National Park (Poland)	52°43'-48'N; 23°48'-56'E
Big Bend National Park (US)	29°30'N; 102°-103°E
Big Thicket National Preserve (US)	30°31'N; 94°19'W
Biosphere Reserve of Aggtelek (Hungary)	48°26'-34'N; 20°30'-48'E
Braunton Burrows National Nature Reserve (UK)	51°06'N; 04°12'W
Caerlaverock National Nature Reserve (UK)	54°52'N; 03°30'W
Cairnmore of Fleet National Nature Reserve (UK)	54°58'N; 04°17'W
California Coast Ranges Biosphere Reserve (US)	39°43'N; 123°38'W
Cascade Head Expt. Forest & Scenic Research Area (US)	41°30'N; 124°00'W
Caucasian Reserve (USSR)	45°02'N; 123°59'W
Central Gulf Coastal Plain Biosphere Reserve (US)	39°40'-40°50'N; 43°30'-44°05'E
Central Plains Experimental Range (US)	29°44'N; 84°58'W
Central-Chernozem Reserve (USSR)	40°50'N; 104°45'W
Changbai Nature Reserve (China)	51°00'N; 36°00'E
Channel Islands National Monument (US)	41°42'-42°25'N; 127°38'-128°16'E
Cibodas Reserve (Indonesia)	33°27'-34°04'N; 119°01'-120°26'W
Cinturon Andino Cluster Biosphere Reserve (Colombia)	06°60'S; 106°60'E
Claish Moss National Nature Reserve (UK)	02°48'N; 75°57'W
Collemeluccio-Montedimezzo (Italy)	56°00'N; 05°45'W
Coram Experimental Forest (incl. Coram NA) (US)	44°44'N; 01°54'E
Coweeta Hydrologic Laboratory (US)	48°22'-26'N; 113°58'-114°00'W
Croajingolong (Australia)	35°03'N; 83°27'W
Danggali Conservation Park (Australia)	37°37'S; 149°50'E
Darien National Park (Panama)	33°03'-30'S; 140°31'-141°00'E
	07°12'-08°31'N' 77°09'-78°25'W

Delta du Sine Saloum (Senegal)	13°35'-55'N; 16°27'-48'W
Denali National Park and Biosphere Reserve (US)	63°20'N; 150°30'W
Desert Experimental Range (US)	38°40'N; 113°45'W
Dinder National Park (Sudan)	11°45'-12°50'N; 34°46'-35°42'E
Dinghu Nature Reserve (China)	23°10'N; 112°30'E
Dyfi National Nature Reserve (UK)	52°32'N; 04°00'W
El Tuparro Nature Reserve (Colombia)	05°00'-34'N; 67°52'-69°10'W
Everglades NP (incl. Ft. Jefferson NM) (US)	24°50'-25°55'N; 80°20'-81°30'W
Fitzgerald River National Park (Australia)	33°43'-34°24'S; 119°05'-120°05'E
Forest Reserve de Luki (Zaire)	05°35'S; 13°10'E
Foret Domaniale du Circeo (Italy)	41°13'-23'N; 00°23'-40'E
Foret Domaniale du Fango (France)	42°23'N; 08°46'E
Foret classee de Samba Dia (Senegal)	
Fraser Experimental Forest (US)	39°54'N; 105°53'W
Geno Protected Area (Iran)	27°30'N; 56°21'E
Glacier National Park (US)	48°15'-49°00'N; 113°15'-114°30'W
Golestan National Park (Iran)	37°31'N; 56°35'E
Gorge of Samaria National Park (Greece)	35°13'-18'N; 23°54'-58'E
Gossenkollesee (Austria)	47°14'N; 01°01'E
Great Smoky Mountains National Park (US)	35°26'-47'N; 83°45'-84°00'W
Guanica Commonwealth Forest Reserve (US)	17°55'N; 67°05'W
Gunung Leuser National Parks (Indonesia)	02°55'-04°05'S; 96°55'-98°30'E
Gurgler Kamm (Austria)	46°51'N; 11°04'E
H.J. Andrews Experimental Forest (US)	44°15'N; 122°10'W
Hara Protected Area (Iran)	26°59'N; 55°40'E
Hattah-Kulkyne NP & Murray-Kulkyne Park (Australia)	34°20'-50'S; 142°20'-45'E
Haui Tak Teak Reserve (Thailand)	18°30'N; 100°00'E
Hawaii Islands Biosphere Reserve (US)	19°11'-33'N; 155°01'-39'W and 20°39'-47'N; 156°02'-16'W
Hortobagy National Park (Hungary)	47°26'-44'N; 20°56'-21°23'E
Hubbard Brook Experimental Forest (US)	43°56'N; 71°45'W
Hurulu Forest Reserve (Sri Lanka)	08°05'-20'N; 80°47'-55'E
Isle Royale National Park (US)	47°48'-48°16'N; 88°15'-89°20'W
Isle of Rhum National Nature Reserve (UK)	57°00'N; 06°30'W
Jornada Experimental Range (US)	32°37'N; 106°45'W
Kavir National Park (Iran)	34°16'N; 53°07'E
Killarney National Park (Ireland)	52°01'N; 09°35'W
Kiskunsag Biosphere Reserve (Hungary)	46°37'-47°12'N; 19°05'-39'E

Kiunga Marine National Reserve (Kenya)	01°75'-02°00'S; 41°20'-25'E
Komodo National Park (Indonesia)	08°35'S; 119°30'E
Konza Prairie Research Natural Area (US)	39°03'-08'N; 96°31'-37'W
Kosciusko National Park (Australia)	35°20'-37°00'S; 148°05'-50'E
Krivoklatsko Reserve (Czechoslovakia)	50°02'N; 13°55'E
Laguna San Rafael NP (incl. El Guayaneco NP) (Chile)	46°39'S; 73°32'W
Lake Ferto Biosphere Reserve (Hungary)	47°35'-38'N; 16°17'-40'E
Lake Manyara National Park (Tanzania)	03°25'S; 35°45'E
Lake Oromeeh National Park (Iran)	38°17'N; 45°55'E
Lal Sohara National Park (Pakistan)	29°30'N; 71°50'E
Las Sierras de Cazorla y Segura Biosphere Reserve (Spain)	38°00'N; 02°45'S
Lobau Reserve (Austria)	48°10'N; 16°32'E
Loch Druidibeg National Nature Reserve (UK)	57°20'N; 07°15'W
Lore Lindu National Park (Indonesia)	01°40'S; 120°10'E
Lukajno Lake Reserve (Poland)	53°49'N; 21°38'E
Luquillo Experimental Forest (Caribbean NF) (US)	18°21'N; 65°45'W
Macchabee/Bel Ombre Nature Reserve (Mauritius)	20°25'S; 57°26'E
Macquarie Island Nature Reserve (Australia)	54°37'S; 158°54'E
Mae Sa-Kog Ma Reserve (Thailand)	18°49'-56'N; 98°47'-58'E
Malindi-Watamu Biosphere Reserve (Kenya)	03°14'-25'S; 39°57'-40°11'E
Miankaleh Protected Area (Iran)	36°57'N; 54°01'E
Miramare Marine Park (Italy)	45°42'N; 13°42'E
Mont St Hilaire (Canada)	45°33'N-75°10'W
Montes Azules (Mexico)	16°09'-53'N; 90°30'-45'W
Moor House-Upper Teesdale Biosphere Reserve (UK)	54°65'N; 02°45'W
Mount Hakusan (Japan)	36°10'N; 136°50'E
Mount Kenya Biosphere Reserve (Kenya)	00°10'S; 37°20'E
Mount Kulal Biosphere Reserve (Kenya)	02°25'-03°25'N; 36°30'-37°30'E
Mount Odaigahara & Mount Omine (Japan)	34°10'N; 136°00'E
Mount Olympus National Park (Greece)	40°02'-07'N; 22°18'-26'E
Mt. Sorak Biosphere Reserve (Korea, Republic of)	28°09'N; 128°24'E
Neusiedler See-Osterreichischer Teil (Austria)	47°40'-56'N 16°40'-52'E
Niwot Ridge Biosphere Reserve (US)	40°00'N; 105°30'W
Noatak National Arctic Range (US)	68°00'N; 160°00'W
North Bull Island (Ireland)	53°17'N; 06°05'W
North Norfolk Coast Biosphere Reserve (UK)	52°57'N; 00°43'E
Northeast Greenland National Park (Greenland)	71°-83°N; 11°39'-63'W
Northeast Svalbard Nature Reserve (Svalbard/Jan Mayen)	78°40'-80°50'N; 16°-35'E
Olympic National Park (US)	47°29'-48°11'N; 123°07'-124°42'W
Omayed Experimental Research Area (Egypt)	30°00'-45'N; 29°12'-15'E
Omo Reserve (Nigeria)	06°80'N; 04°15'E
Organ Pipe Cactus National Monument (US)	32°00'N; 112°50'W

Parc National Suisse (Switzerland)	46°35'-46°45'N; 10°00'-20'E
Parc National d'Odzala (Congo)	00°35'-01°05'N; 14°40'-15°05'E
Parc National de Djebel Bou-Hedma (Tunisia)	34°40'N; 09°38'E
Parc National de Djebel Chambi (Tunisia)	35°13'N; 08°43'E
Parc National de Tai (Ivory Coast)	05°15'-06°07'N; 07°25'-54'W
Parc National de Waza (Cameroon)	11°00'-30'N; 14°30'-75'E
Parc National de l'Ichkeul (Tunisia)	37°10'N; 09°40'E
Parc National de la Benoue (Cameroon)	08°00'N; 14°00'E
Parc National de la Boucle du Baoule (etc) (Mali)	13°45'-14°23'N; 08°23'-09°25'W
Parc National des Iles Zembra et Zembretta (Tunisia)	37°06'N; 10°48'E
Parc National du Niokolo-Koba (Senegal)	12°30'-13°20'N; 12°00'W
Parc national Steneto (Bulgaria)	42°48'N; 24°40'E
Parc national de la Comoe (Ivory Coast)	08°05'-09°06'N; 03°01'-04°04'W
Parc national des Volcans (Rwanda)	01°21'-35'S; 29°22'-44'E
Parque Nacional Fray Jorge (Chile)	30°34'S; 71°11'W
Parque Nacional Juan Fernandez (Chile)	33°41'S; 78°47'-80°47'W
Parque Nacional Lauca (Chile)	17°56'-18°72'S; 68°64'-69°40'E
Parque Nacional Pilon-Lagas (Bolivia)	15°00'S; 67°20'W
Parque Natural del Montseny (Spain)	41°47'N; 06°03'E
Paul do Boquilobo BR (Portugal)	39°24'N; 09°28'W
Pietrosu Mare Nature Reserve (Romania)	47°40'N; 25°E
Pilis Biosphere Reserve (Hungary)	47°43'N; 18°54'E
Prince Regent River Nature Reserve (Australia)	15°00'-16°00'S; 124°45'-125°45'E
Priokosko-Terrasny Reserve (USSR)	54°50'N; 37°50'W
Puerto Galera Biosphere Reserve (Philippines)	13°35'N; 120°50'-121°60'E
Radom National Park (Sudan)	10°N; 24°E
Repetek Reserve (USSR)	38°50'N; 63°50'E
Reserva Biologica de Ulla Ulla (Bolivia)	15°00'S; 69°00'W
Reserva Nat. de Vida Silvestre "Laguna Blanca" (Argentina)	26°30'-27°00'S; 66°40'-67°30'W
Reserva de Grazalema (Spain)	36°15'-54'N; 05°20'-32'W
Reserva de Huascarán (Peru)	09°20'S; 77°18'W
Reserva de Mapimi (Mexico)	26°29'-52'N; 103°56'W
Reserva de Ordesa-Vinamala (Spain)	42°38'-56'N; 00°06'-24'E
Reserva de la Biosfera "Araucarias" (Chile)	38°40'S; 71°42'W
Reserva de la Biosfera "San Guillermo" (Argentina)	29°30'S; 69°00'W
Reserva de la Biosfera de la Amistad (Costa Rica)	08°44'-10°02'N; 82°43'-83°44'W
Reserva de la Biosfera del Canal y los Tiles (Spain)	28°46'-48'N; 14°04'-06'W
Reserva de la Biosfera de Donana (Spain)	37°00'N; 06°30'W

Reserva de la Biosfera de la Mancha Humeda (Spain)	39°16'N; 03°24'E
Reserva de la Biosfera de las Marismas del Odiel (Spain)	37°15'N; 07°W
Reserva de la Michilia (Mexico)	23°27'N; 104°15'W
Reserva del Manu (Peru)	12°00'S; 71°45'W
Reserva del Noroeste (Peru)	03°24'-06°22'S; 79°12'-81°20'W
Reserve Alibotouch (Bulgaria)	41°25'N; 23°32'E
Reserve Baevi doupki (Bulgaria)	44°48'N; 23°25'E
Reserve Bistrichko Branichte (Bulgaria)	42°35'N; 23°15'E
Reserve Boatine (Bulgaria)	42°52'N; 24°20'E
Reserve Djendema (Bulgaria)	42°47'N; 24°45'E
Reserve Doupkata (Bulgaria)	41°50'N; 24°15'E
Reserve Ecologique du Bassin de la Riviere Tara (Yugoslavia)	42°32'N; 18°50'-19°45'E
Reserve Floristique de Yangambi (Zaire)	00°00'-40'N; 24°-25°E
Reserve Kamtchia (Bulgaria)	43°02'N; 27°50'E
Reserve Koupna (Bulgaria)	42°05'N; 24°20'E
Reserve Mantaritzza (Bulgaria)	41°58'N; 24°02'E
Reserve Maritchini ezera (Bulgaria)	42°14'N; 23°35'E
Reserve Nationale de Camargue (France)	43°30'N; 04°30'E
Reserve Ouzounbodjak (Bulgaria)	42°00'N; 27°45'E
Reserve Parangalitza (Bulgaria)	42°15'N; 23°15'E
Reserve Srebarna (Bulgaria)	44°05'N; 27°07'E
Reserve Tchervenata stena (Bulgaria)	41°52'N; 24°45'E
Reserve Tchouprene (Bulgaria)	43°43'N; 22°30'E
Reserve Tsaritchina (Bulgaria)	42°50'N; 24°30'E
Reserve de la Biosphere du Massif du Ziama (Guinea)	08°-09°N; 09°-10°W
Reserve de la Biosphere des Monts Nimba (Guinea)	07°23'-14'N; 10°29'-40'W
Reserve forestiere et de faune du Dja (Cameroon)	02°49'-03°23'N; 12°25'-13°35'E
Reserve naturelle integrale d'Ipassa-Makokou (Gabon)	00°31'N; 12°48'E
Retezat National Park (Romania)	45°30'N; 23°E
Rio Platano Biosphere Reserve (Honduras)	15°57'N; 84°35'-38'W
Rocky Mountain National Park (US)	40°10'-33'N; 105°29'-55'E
Rosca-Letea Reserve (Romania)	45°N; 29°E
Ruwenzori National Park (Uganda)	00°15'S-00°10'N; 29°45'-30°05'E
Sakaerat Environmental Research Station (Thailand)	14°30'N; 101°55'E
San Dimas Experimental Forest (US)	34°12'N; 117°46'W
San Joaquin Experimental Range (US)	37°05'N; 119°43'W
Sary-Chelek Reserve (USSR)	42°00'N; 71°00'E
Sequoia-Kings Canyon National Parks (US)	36°45'N; 118°30'W
Serengeti NP & Ngorongoro Conservation Area (Tanzania)	01°30'-03°20'S; 35°00'-15'E
Shiga Highland (Japan)	36°43'N; 138°30'E
Siberut Nature Reserve (Indonesia)	01°10'S; 98°35'E
Sierra Nevada de Santa Marta (incl. Tayrona NP) (Colombia)	10°43'-11°16'N; 73°10'-74°00'W
Sikhote-Alin Reserve (USSR)	45°00'N; 136°00'E
Silver Flowe-Merrick Kells Biosphere Reserve (UK)	55°06'N; 04°30'W
Sinharaja Forest Reserve (Sri Lanka)	06°24'N; 80°30'E

Slovak Karst Reserve (Czechoslovakia)	48°28'-42'N; 20°21'-59'E
Slowinski National Park (Poland)	54°39'-46'N; 17°03'-33'E
South Atlantic Coastal Plain Biosphere Reserve (US)	39°45'N; 74°45'W 33°47'N; 80°47'W
Southwest National Park (Australia)	42°47'-43°33'S; 145°57'-146°35'E
St Kilda National Nature Reserve (UK)	57°50'N; 08°31'W
Stanislaus-Tuolumne Experimental Forest (US)	38°03'N; 119°57'E
Steckby-Loedderitz Forest Nature Reserve (GDR)	51°53'N; 11°59'E
Tanjung Puting Nature Park (Indonesia)	02°35'-03°20'S; 111°50'-112°15'E
Taynish National Nature Reserve (UK)	56°00'N; 05°38'W
The University of Michigan Biological Station (US)	45°34'N; 84°40'W
The Unnamed Conservation Park of South Australia (Aus.)	28°07'-30°10'S; 129°00'-131°00'E
The Velebit Mountain (Yugoslavia)	44°15'-45'N; 15°00'-45'E
The Virginia Coast Reserve (US)	37°05'-34'N; 75°56'-87'W
Three Sisters Wilderness (US)	44°00'N; 121°50'W
Torres del Paine National Park (Chile)	49°21'-51°08'S; 73°07'-74°52'W
Touran Protected Area (Iran)	36°25'N; 57°05'E
Trebon Basin Reserve (Czechoslovakia)	49°05'N; 14°46'E
Uluru (Ayers Rock-Mount Olga) National Park (Australia)	24°25'-26'S; 130°40'-131°20'E
Vallee de la Lufira (Zaire)	10°S; 28°E
Vessertal Nature Reserve (GDR)	50°36'N; 10°48'E
Virgin Islands National Park (US)	18°21'N; 64°44'W
Waterton Lakes National Park (Canada)	49°00'-11'N; 113°39'-114°10'W
Wilson's Promontory National Park (Australia)	39°00'S; 146°25'E
Wolung Nature Reserve (China)	31°05'N; 102°50'E
Yakushima Island (Japan)	30°20'N; 130°30'E
Yathong Nature Reserve (Australia)	32°40'S; 145°30'E
Yellowstone National Park (US)	44°08'-45°07'N; 109°10'-111°10'E

Rate of establishment of Biosphere Reserves

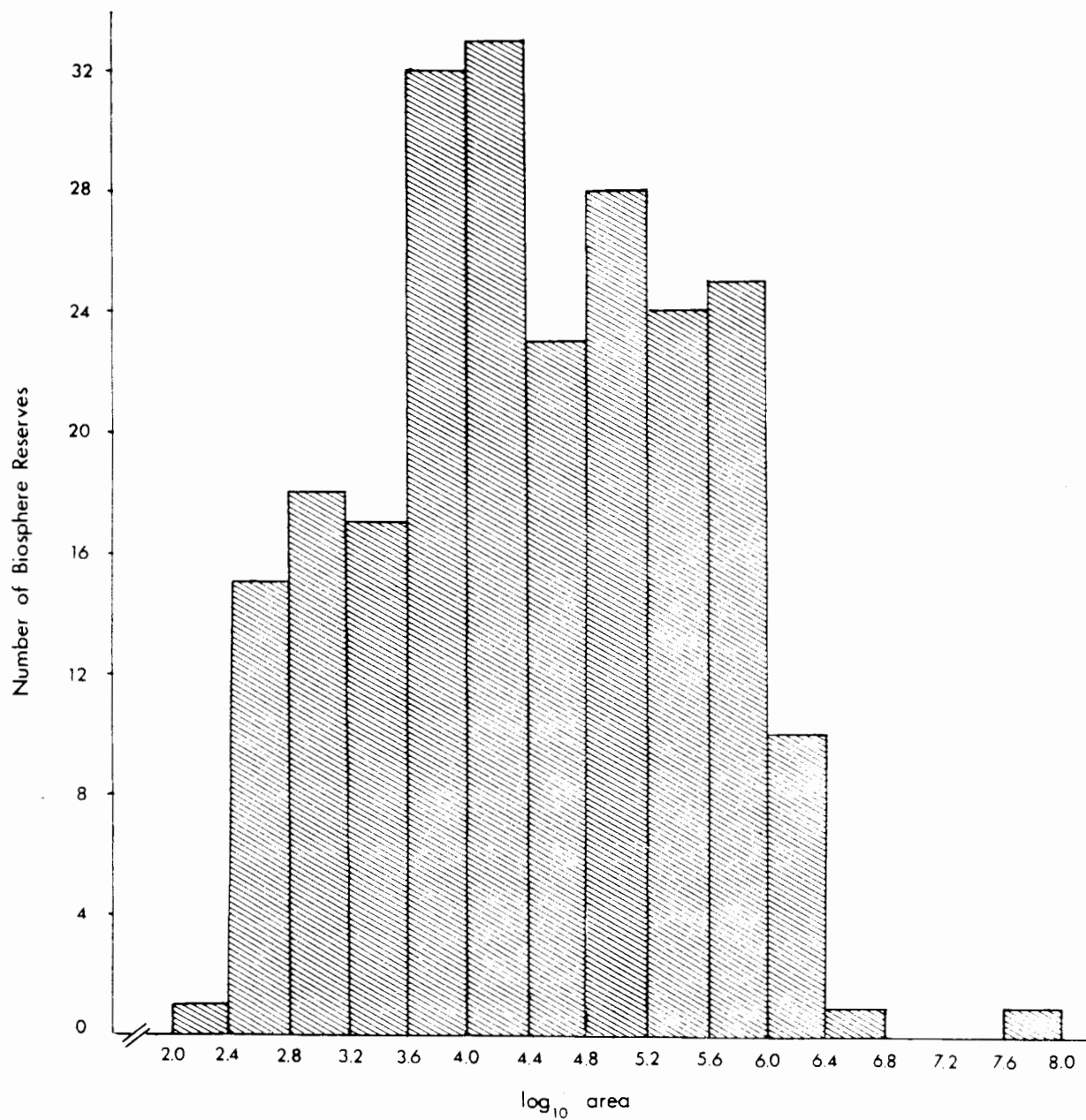
Number and size of reserves

<u>1976</u>			<u>1977</u>		
Nearctic	25	8,007,935	Nearctic	3	70,142,000
Palaearctic	26	4,433,759	Palaearctic	37	504,005
Afrotropical	1	250,000	Afrotropical	5	462,254
Indomalayan	2	29,713	Indomalayan	9	470,332
Australian	1	253,230	Oceanian	2	20,300
Neotropical	4	784,263	Australian	9	4,408,715
			Antarctic	1	12,343
	59	13,758,900	Neotropical	6	2,476,584
				72	78,496,533
<u>1978</u>			<u>1979</u>		
Nearctic	1	5,550	Nearctic	5	74,842
Palaearctic	8	765,481	Palaearctic	13	591,968
Afrotropical	2	771,759	Afrotropical	8	3,966,326
Indomalayan	1	8,900	Indomalayan	1	1,200
Neotropical	1	163,000	Neotropical	5	4,226,188
	13	1,714,690		32	8,860,524
<u>1980</u>			<u>1981</u>		
Nearctic	1	215,740	Nearctic	1	34,217
Palaearctic	7	241,260	Palaearctic	6	24,725
Afrotropical	4	373,300	Afrotropical	5	3,930,900
Oceanian	1	104,396	Indomalayan	2	952,400
Neotropical	2	1,481,460	Australian	1	49,000
	15	2,416,156	Neotropical	2	524,006
				17	5,515,248
<u>1982</u>			<u>1983</u>		
Palaearctic	2	45,468	Nearctic	3	576,583
Afrotropical	2	785,700	Palaearctic	3	199,239
Neotropical	2	1,270,000	Afrotropical	4	1,187,835
			Neotropical	2	656,000
	6	2,101,168		12	2,619,657

Total of 226 sites covering 115,482,876 hectares

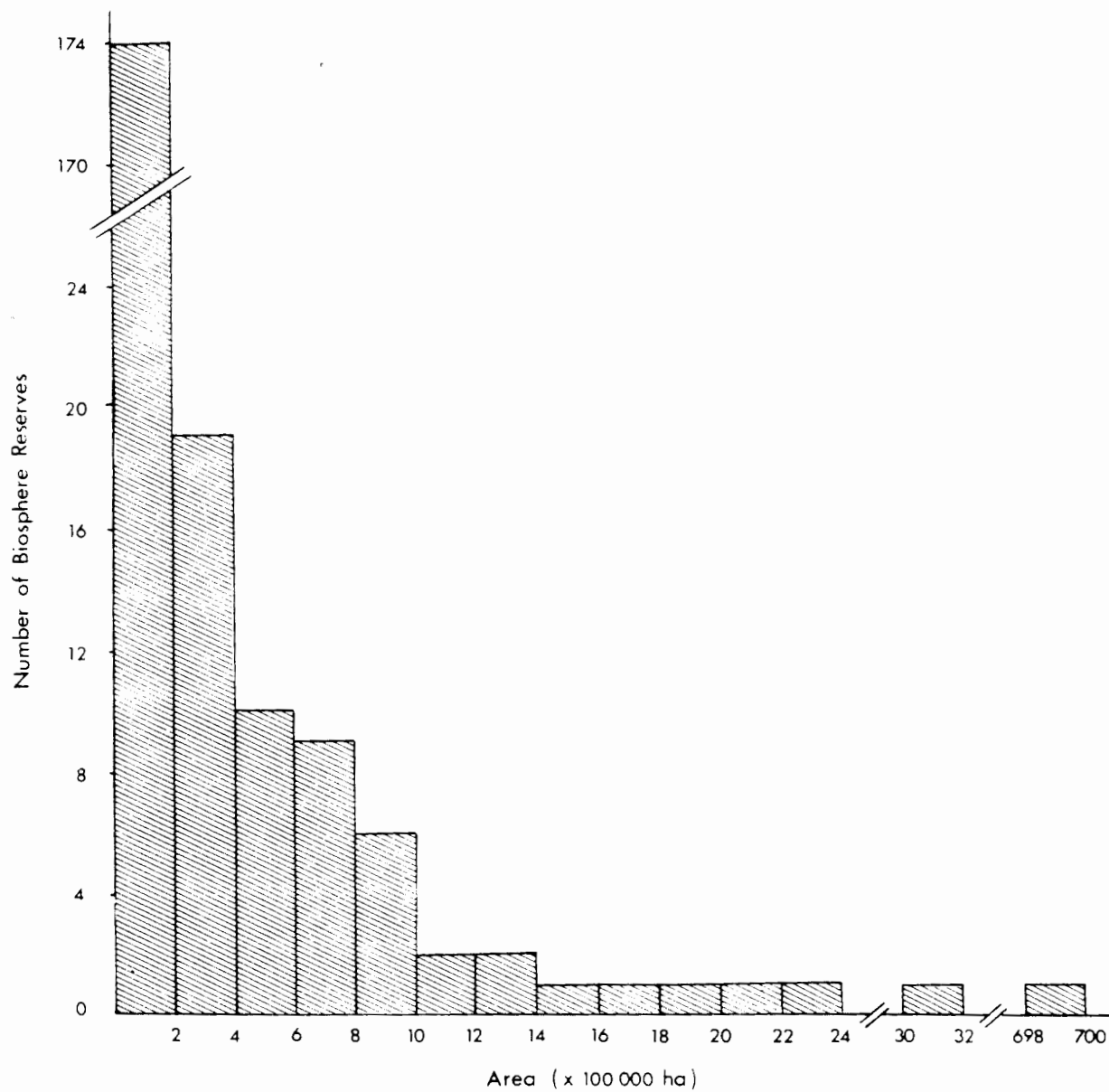
Frequency distribution of size classes of Biosphere Reserves

(logarithmic scale)



Frequency distribution of size classes of Biosphere Reserves

(linear scale)



Summary of Biosphere Reserve coverage by biogeographical province

(After Udvardy, 1975)

Name of province	Number of areas	Total area (hectares)
<u>Nearctic Realm</u>		
1. Sitkan		No areas listed
2. Oregonian	3	429,714
3. Yukon Taiga	1	782,000
4. Canadian Taiga		No areas listed
5. Eastern Forest	5 (+ part)	670,935
6. Austroriparian	2 (+ part)	113,306
7. Californian	3	16,227
8. Sonoran	2	244,578
9. Chihuahuan	3	461,544
10. Tamaulipan		No areas listed
11. Great Basin	1	22,513
12. Aleutian Islands	1	1,100,940
13. Alaskan Tundra	1	3,035,200
14. Canadian Tundra		No areas listed
15. Arctic Archipelago		No areas listed
16. Greenland Tundra		No areas listed
17. Arctic Desert and Icecap	1	70,000,000
18. Grasslands	3	13,744
19. Rocky Mountains	7	1,481,261
20. Sierra-Cascade	4	430,607
21. Madrean-Cordilleran	1	42,000
22. Great Lakes	1	215,740

A total of 40 reserves covering 79,060,309 hectares

<u>Palearctic Realm</u>		
1. Chinese Subtropical Forest	1	207,210
2. Japanese Evergreen Forest	3	103,000
3. West Eurasian Taiga		No areas listed
4. East Siberian Taiga		No areas listed
5. Icelandic		No areas listed
6. Subarctic Birchwoods		No areas listed
7. Kamchatkan		No areas listed
8. British Islands	12	36,668
9. Atlantic	1	13,100
10. Boreonemoral	3	10,450
11. Middle European Forest	10	185,604
12. Pannonian	5	130,883
13. West Anatolian		No areas listed
14. Manchu-Japanese Mixed Forest	2	557,435
15. Oriental Deciduous Forest	2	50,430
16. Iberian Highlands	1	51,396
17. Mediterranean Sclerophyll	15	397,452
18. Sahara	1	1,000
19. Arabian Desert		No areas listed

20.	Anatolian-Iranian Desert	2	134,686
21.	Turanian	1	34,600
22.	Takla-Makan-Gobi Desert		No areas listed
23.	Tibetan		No areas listed
24.	Iranian Desert	2	1,700,000
25.	Arctic Desert	1	1,555,000
26.	Higharctic Tundra		No areas listed
27.	Lowarctic Tundra		No areas listed
28.	Atlas Steppe	2	17,625
29.	Pontian Steppe	1	18,145
30.	Mongolian-Manchurian Steppe		No areas listed
31.	Scottish Highlands	3	17,018
32.	Central European Highlands	9	304,468
33.	Balkan Highlands	17	216,811
34.	Caucaso-Iranian Highlands	6	1,038,545
35.	Altai Highlands		No areas listed
36.	Pamir-Tian-Shan Highlands	1	23,868
37.	Hindu Kush Highlands		No areas listed
38.	Himalayan Highlands		No areas listed
39.	Szechwan Highlands		No areas listed
40.	Macaronesian Islands	1	511
41.	Ryukyu Islands		No areas listed
42.	Lake Ladoga		No areas listed
43.	Aral Sea		No areas listed
44.	Lake Baikal		No areas listed

A total of 102 reserves covering 6,805,905 hectares

Afrotropical Realm

1.	Guinean Rain Forest	5	471,530
2.	Congo Rain Forest	7	940,900
3.	Malagasy Rain Forest		No areas listed
4.	West African Woodland/Savanna	7	4,816,756
5.	East African Woodland/Savanna	3	2,557,900
6.	Congo Woodland/Savanna		No areas listed
7.	Miombo Woodland/Savanna		No areas listed
8.	South African Woodland/Savanna		No areas listed
9.	Malagasy Woodland/Savanna		No areas listed
10.	Malagasy Thorn Forest		No areas listed
11.	Cape Sclerophyll		No areas listed
12.	Western Sahel	1	170,000
13.	Eastern Sahel	2	1,900,970
14.	Somalian	3	779,600
15.	Namib		No areas listed
16.	Kalahari		No areas listed
17.	Karoo		No areas listed
18.	Ethiopian Highlands		No areas listed
19.	Guinean Highlands		No areas listed
20.	Central African Highlands	1	15,065
21.	East African Highlands	1	71,759
22.	South African Highlands		No areas listed
23.	Ascension and St Helena Islands		No areas listed
24.	Comores Islands and Aldabra		No areas listed
25.	Mascarene Islands	1	3,594

26. Lake Rudolf	No areas listed
27. Lake Ukerewe (Victoria)	No areas listed
28. Lake Tanganyika	No areas listed
29. Lake Malawi (Nyasa)	No areas listed

A total of 31 reserves covering 11,728,074 hectares

Indomalayan Realm

1. Malabar Rainforest		No areas listed
2. Ceylonese Rainforest	1	8,900
3. Bengalian Rainforest		No areas listed
4. Burman Rainforest		No areas listed
5. Indochinese Rainforest		No areas listed
6. South Chinese Rainforest	1	1,200
7. Malayan Rainforest		No areas listed
8. Indus-Ganges Monsoon Forest		No areas listed
9. Burma Monsoon Forest		No areas listed
10. Thaiandian Monsoon Forest	3	26,100
11. Mahanadian		No areas listed
12. Coromandel		No areas listed
13. Ceylonese Monsoon Forest	1	512
14. Deccan Thorn Forest		No areas listed
15. Thar Desert	1	31,355
16. Seychelles and Amirantes Islands		No areas listed
17. Laccadives Islands		No areas listed
18. Maldives and Chagos Islands		No areas listed
19. Cocos-Keeling and Christmas Islands		No areas listed
20. Andaman and Nicobar Islands		No areas listed
21. Sumatra	2	952,400
22. Java	1	1,040
23. Lesser Sunda Islands	1	59,000
24. Sulawesi (Celebes)	1	131,000
25. Borneo	1	205,000
26. Philippines	1	23,525
27. Taiwan		No areas listed

A total of 14 reserves covering 1,440,032 hectares

Oceanian Realm

1. Papuan		No areas listed
2. Micronesian		No areas listed
3. Hawaiian	1	104,396
4. Southeastern Polynesian	2	20,300
5. Central Polynesian		No areas listed
6. New Caledonian		No areas listed
7. East Melanesian		No areas listed

A total of 3 reserves covering 124,696 hectares

Australian Realm

1. Queensland Coastal		No areas listed
2. Tasmanian	1	403,240
3. Northern Coastal	1	633,825
4. Western Sclerophyll	1	242,727
5. Southern Sclerophyll		No areas listed
6. Eastern Sclerophyll	3	775,525
7. Brigalow		No areas listed
8. Western Mulga		No areas listed
9. Central Desert	1	132,550
10. Southern Mulga/Saltbush	2	2,385,830
11. Northern Savanna		No areas listed
12. Northern Grasslands		No areas listed
13. Eastern Grasslands and Savannas	2	137,248

A total of 11 reserves covering 4,710,945 hectares

Antarctic Realm

1. Neozealandia		No areas listed
2. Maudlandia		No areas listed
3. Marielandia		No areas listed
4. Insulantarctica	1	12,343

A single reserve of 12,343

Neotropical Realm

1. Campechean	1	331,200
2. Panamanian	1	575,000
3. Colombian Coastal		No areas listed
4. Guyanan		No areas listed
5. Amazonian	1	1,881,200
6. Madeiran	1	100,000
7. Serro Do Mar		No areas listed
8. Brazilian Rain Forest		No areas listed
9. Brazilian Planalto		No areas listed
10. Valdivian Forest		No areas listed
11. Chilean Nothofagus	1	1,380,613
12. Everglades	1	585,867
13. Sinaloan		No areas listed
14. Guerreran		No areas listed
15. Yucatecan		No areas listed
16. Central American	2	1,000,000
17. Venezuelan Dry Forest	1	731,250
18. Venezuelan Deciduous Forest		No areas listed
19. Equadorian Dry Forest	1	226,300
20. Caatinga		No areas listed
21. Gran Chaco		No areas listed
22. Chilean Araucaria Forest	1	81,000
23. Chilean Sclerophyll	1	9,845
24. Pacific Desert		No areas listed
25. Monte	1	770,000
26. Patagonian		No areas listed

27.	Llanos	1	928,125
28.	Campos Limpos		No areas listed
29.	Babacu		No areas listed
30.	Carpos Cerrados		No areas listed
31.	Argentinian Pampas		No areas listed
32.	Uruguayan Pampas	1	200,000
33.	Northern Andean	1	855,000
34.	Colombian Montane		No areas listed
35.	Yungas		No areas listed
36.	Puna	2	720,000
37.	Southern Andean	3	1,203,699
38.	Bahamas-Bermudean		No areas listed
39.	Cuban		No areas listed
40.	Greater Antillean	2	15,346
41.	Lesser Antillean	1	6,127
42.	Revilla Gigedo Island		No areas listed
43.	Cocos Island		No areas listed
44.	Galapagos Islands		No areas listed
45.	Fernando De Noronja Island		No areas listed
46.	South Trinidad Island		No areas listed
47.	Lake Titicaca		No areas listed

A total of 24 reserves covering 11,600,872 hectares

Giving a grand total of 226 reserves covering 115,482,876 hectares

List of Biosphere Reserves by province (After Udvardy, 1975)

NEARCTIC REALM

Oregonian (1.2.2)

Olympic National Park, (USA)	363,379
California Coast Ranges Biosphere Reserve, (USA)	59,284
Cascade Head Expt. Forest & Scenic Research Area, (USA)	7,051

Yukon Taiga (1.3.3)

Denali National Park and Biosphere Reserve, (USA)	782,000
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Eastern Forest (1.5.5)

South Atlantic Coastal Plain BR (N part), (USA)	438,210
Great Smoky Mountains National Park, (USA)	208,403
The Virginia Coast Reserve, (USA)	13,511
Mont St Hilaire, (Canada)	5,550
Hubbard Brook Experimental Forest, (USA)	3,076
Coweeta Hydrologic Laboratory, (USA)	2,185

Austroriparian (1.6.5)

Central Gulf Coastal Plain Biosphere Reserve, (USA)	72,964
Big Thicket National Preserve, (USA)	34,217
South Atlantic Coastal Plain BR (S part), (USA)	6,125

Californian (1.7.6)

Channel Islands National Monument, (USA)	7,448
San Dimas Experimental Forest, (USA)	6,947
San Joaquin Experimental Range, (USA)	1,832

Sonoran (1.8.7)

Organ Pipe Cactus National Monument, (USA)	133,278
Beaver Creek Experimental Watershed, (USA)	111,300

Chihuahuan (1.9.7)

Big Bend National Park, (USA)	283,247
Reserva de Mapimi, (Mexico)	100,000
Jornada Experimental Range, (USA)	78,297

Great Basin (1.11.8)

Desert Experimental Range, (USA)	22,513
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Aleutian Islands (1.12.9)

Aleutian Islands National Wildlife Refuge, (USA)	1,100,940
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Alaskan Tundra (1.13.9)

Noatak National Arctic Range, (USA)	3,035,200
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Arctic Desert and Icecap (1.17.9)

Northeast Greenland National Park, (Denmark)	70,000,000
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Grasslands (1.18.11)

Central Plains Experimental Range (CPER), (USA)	6,210
The University of Michigan Biological Station, (USA)	4,048
Konza Prairie Research Natural Area, (USA)	3,486

<u>Rocky Mountains (1.19.12)</u>	
Yellowstone National Park, (USA)	898,349
Glacier National Park, (USA)	410,058
Rocky Mountain National Park, (USA)	106,710
Waterton Lakes National Park, (Canada)	52,597
Fraser Experimental Forest, (USA)	9,328
Coram Experimental Forest (incl. Coram NA), (USA)	3,019
Niwot Ridge Biosphere Reserve, (USA)	1,200
<u>Sierra-Cascade (1.20.12)</u>	
Sequoia-Kings Canyon National Parks, (USA)	343,000
Three Sisters Wilderness, (USA)	80,900
H.J. Andrews Experimental Forest, (USA)	6,100
Stanislaus-Tuolumne Experimental Forest, (USA)	607
<u>Madrean-Cordilleran (1.21.12)</u>	
Reserva de la Michilia, (Mexico)	42,000
<u>Great Lakes (1.22.14)</u>	
Isle Royale National Park, (USA)	215,740
PALAEARCTIC REALM	
<u>Chinese Subtropical Forest (2.1.2)</u>	
Wolung Nature Reserve, (China)	207,210
<u>Japanese Evergreen Forest (2.2.2)</u>	
Mount Hakusan, (Japan)	48,000
Mount Odaigahara & Mount Omine, (Japan)	36,000
Yakushima Island, (Japan)	19,000
<u>British Islands (2.8.5)</u>	
Killarney National Park, (Ireland)	8,038
Moor House-Upper Teesdale Biosphere Reserve, (UK)	7,399
Caerlaverock National Nature Reserve, (UK)	5,501
North Norfolk Coast Biosphere Reserve, (UK)	5,497
Silver Flowe-Merrick Kells Biosphere Reserve, (UK)	3,088
Cairnmore of Fleet National Nature Reserve, (UK)	1,922
Dyfi National Nature Reserve, (UK)	1,589
North Bull Island, (Ireland)	1,390
St Kilda National Nature Reserve, (UK)	842
Braunton Burrows National Nature Reserve, (UK)	596
Claish Moss National Nature Reserve, (UK)	480
Taynish National Nature Reserve, (UK)	326
<u>Atlantic (2.9.5)</u>	
Bayerischer Wald National Park, (FRG)	13,100
<u>Boreonemoral (2.10.5)</u>	
Priokosko-Terrasny Reserve, (USSR)	4,945
Central-Chernozem Reserve, (USSR)	4,795
Luknajno Lake Reserve, (Poland)	710

<u>Middle European Forest (2.11.5)</u>	
Berezinsky Reserve, (Byelorussia)	76,201
Slovak Karst Reserve, (Czechoslovakia)	36,100
Pilis Biosphere Reserve, (Hungary)	23,000
Retezat National Park, (Romania)	20,000
Slowinski National Park, (Poland)	18,069
Bialowieza National Park, (Poland)	5,069
Pietrosu Mare Nature Reserve, (Romania)	3,068
Steckby-Loedderitz Forest Nature Reserve, (GDR)	2,113
Vessertal Nature Reserve, (GDR)	1,384
Reserve Srebarna, (Bulgaria)	600
<u>Pannonian (2.12.5)</u>	
Hortobagy National Park, (Hungary)	52,000
Neusiedler See-Osterreichischer Teil, (Austria)	25,000
Kiskunsag Biosphere Reserve, (Hungary)	22,095
Biosphere Reserve of Aggtelek, (Hungary)	19,246
Lake Fertő Biosphere Reserve, (Hungary)	12,542
<u>Manchu-Japanese Mixed Forest (2.14.5)</u>	
Sikhote-Alin Reserve, (USSR)	340,200
Changbai Nature Reserve, (China)	217,235
<u>Oriental Deciduous Forest (2.15.5)</u>	
Mt. Sorak Biosphere Reserve, (South Korea)	37,430
Shiga Highland, (Japan)	13,000
<u>Iberian Highlands (2.16.6)</u>	
Reserva de Ordesa-Vinamala, (Spain)	51,396
<u>Mediterranean Sclerophyll (2.17.6)</u>	
Las Sierras de Cazorla y Segura Biosphere Reserve, (Spain)	190,000
Reserva de la Biosfera de Donana, (Spain)	77,260
Reserva de Grazalema, (Spain)	32,210
Reserva de la Biosfera de la Mancha Humeda, (Spain)	25,000
Parque Natural del Montseny, (Spain)	17,372
Reserve Nationale de Camargue, (France)	13,117
Parc National de l'Ichkeul, (Tunisia)	10,770
Reserva de la Biosfera de las Marismas del Odiel, (Spain)	8,728
Forêt Domaniale du Fango, (France)	6,410
Gorge of Samaria National Park, (Greece)	4,840
Parc National des Iles Zembra et Zembretta, (Tunisia)	4,030
Mount Olympus National Park, (Greece)	4,000
Forêt Domaniale du Circeo, (Italy)	3,260
Paul do Boquilobo, (Portugal)	395
Miramare Marine Park, (Italy)	60
<u>Sahara (2.18.7)</u>	
Omayed Experimental Research Area, (Egypt)	1,000
<u>Anatolian-Iranian Desert (2.20.8)</u>	
Hara Protected Area, (Iran)	85,686
Geno Protected Area, (Iran)	49,000
<u>Turanian (2.21.8)</u>	
Repetek Reserve, (USSR)	34,600

<u>Iranian Desert (2.24.8)</u>	
Touran Protected Area, (Iran)	1,000,000
Kavir National Park, (Iran)	700,000
<u>Arctic Desert (2.25.9)</u>	
Northeast Svalbard Nature Reserve, (Norway)	1,555,000
<u>Atlas Steppe (2.28.11)</u>	
Parc National de Djebel Bou-Hedma, (Tunisia)	11,625
Parc National de Djebel Chambi, (Tunisia)	6,000
<u>Pontian Steppe (2.29.11)</u>	
Rosca-Letea Reserve, (Romania)	18,145
<u>Scottish Highlands (2.31.12)</u>	
Isle of Rhum National Nature Reserve, (UK)	10,560
Beinn Eighe National Nature Reserve, (UK)	4,800
Loch Druidibeg National Nature Reserve, (UK)	1,658
<u>Central European Highlands (2.32.12)</u>	
The Velebit Mountain, (Yugoslavia)	150,000
Trebon Basin Reserve, (Czechoslovakia)	70,000
Krivoklatsko Reserve, (Czechoslovakia)	62,792
Parc National Suisse, (Switzerland)	16,870
Babia Gora National Park, (Poland)	1,728
Gurgler Kamm, (Austria)	1,500
Lobau Reserve, (Austria)	1,000
Collemeluccio-Montedimezzo, (Italy)	478
Gossenkollesee, (Austria)	100
<u>Balkan Highlands (2.33.12)</u>	
Reserve Ecologique du Bassin de la Riviere Tara, (Yugoslavia)	200,000
Parc national Steneto, (Bulgaria)	1,865
Reserve Djendema, (Bulgaria)	1,775
Reserve Maritchini ezera, (Bulgaria)	1,510
Reserve Parangalitza, (Bulgaria)	1,509
Reserve Baevi doupki, (Bulgaria)	1,449
Reserve Boatine, (Bulgaria)	1,228
Reserve Doupkata, (Bulgaria)	1,210
Reserve Koupena, (Bulgaria)	962
Reserve Bistrichko Branichte, (Bulgaria)	943
Reserve Tchouprene, (Bulgaria)	936
Reserve Tsaritchina, (Bulgaria)	616
Reserve Mantaritzza, (Bulgaria)	576
Reserve Ouzounbodjak, (Bulgaria)	575
Reserve Tchervenata stena, (Bulgaria)	571
Reserve Kamtchia, (Bulgaria)	556
Reserve Alibotouch, (Bulgaria)	530
<u>Caucaso-Iranian Highlands (2.34.12)</u>	
Lake Oromeeh National Park, (Iran)	462,600
Caucasian Reserve, (USSR)	263,500
Golestan National Park, (Iran)	125,895
Miankaleh Protected Area, (Iran)	68,800
Arjan Protected Area, (Iran)	65,750
Arasbaran Protected Area, (Iran)	52,000

<u>Pamir-Tian-Shan Highlands (2.36.12)</u>	
Sary-Chelek Reserve, (USSR)	23,868
<u>Macaronesian Islands (2.40.13)</u>	
Reserva de la Biosfera del Canal y los Tiles, (Spain)	511
AFROTROPICAL REALM	
<u>Guinean Rain Forest (3.1.1)</u>	
Parc National de Tai, (Ivory Coast)	330,000
Reserve de la Biosphere du Massif du Ziama, (Guinea)	116,170
Reserve de la Biosphere des Monts Nimba, (Guinea)	17,130
Bia National Park, (Ghana)	7,770
Omo Reserve, (Nigeria)	460
<u>Congo Rain Forest (3.2.1)</u>	
Reserve forestiere et de faune du Dja, (Cameroun)	500,000
Reserve Floristique de Yangambi, (Zaire)	250,000
Parc National d'Odzala, (Congo)	110,000
Forest Reserve de Luki, (Zaire)	33,000
Basse-Lobaye Forest, (C. African Rep.)	18,200
Reserve naturelle integrale d'Ipasa-Makokou, (Gabon)	15,000
Vallee de la Lufira, (Zaire)	14,700
<u>West African Woodland/Savanna (3.4.4)</u>	
Bamingui Bangoran Conservation area, (C. African Rep.)	1,622,000
Parc national de la Comoe, (Ivory Coast)	1,150,000
Parc National du Niokolo-Koba, (Senegal)	913,000
Parc National de la Boucle du Baoule (etc), (Mali)	771,000
Parc National de la Benoue, (Cameroon)	180,000
Delta du Sine Saloum, (Senegal)	180,000
Foret classée de Samba Dia, (Senegal)	756
<u>East African Woodland/Savanna (3.5.4)</u>	
Serengeti NP & Ngorongoro Conservation Area, (Tanzania)	2,305,000
Ruwenzori National Park, (Uganda)	220,000
Lake Manyara National Park, (Tanzania)	32,900
<u>Western Sahel (3.12.7)</u>	
Parc National de Waza, (Cameroon)	170,000
<u>Eastern Sahel (3.13.7)</u>	
Radom National Park, (Sudan)	1,250,970
Dinder National Park, (Sudan)	650,000
<u>Somalian (3.14.7)</u>	
Mount Kulal Biosphere Reserve, (Kenya)	700,000
Kiunga Marine National Reserve, (Kenya)	60,000
Malindi-Watamu Biosphere Reserve, (Kenya)	19,600
<u>Central African Highlands (3.20.12)</u>	
Parc national des Volcans, (Rwanda)	15,065
<u>East African Highlands (3.21.12)</u>	
Mount Kenya Biosphere Reserve, (Kenya)	71,759

<u>Mascarene Islands (3.25.13)</u>	
Macchabee/Bel Ombre Nature Reserve, (Mauritius)	3,594

INDOMALAYAN REALM

<u>Ceylonese Rainforest (4.2.1)</u>	
Sinharaja Forest Reserve, (Sri Lanka)	8,900

<u>South Chinese Rainforest (4.6.1)</u>	
Dinghu Nature Reserve, (China)	1,200

<u>Thailandian Monsoon Forest (4.10.4)</u>	
Mae Sa-Kog Ma Reserve, (Thailand)	14,200
Sakaerat Environmental Research Station, (Thailand)	7,200
Hauy Tak Teak Reserve, (Thailand)	4,700

<u>Ceylonese Monsoon Forest (4.13.4)</u>	
Hurulu Forest Reserve, (Sri Lanka)	512

<u>Thar Desert (4.15.7)</u>	
Lal Sohara National Park, (Pakistan)	31,355

<u>Sumatra (4.21.13)</u>	
Gunung Leuser National Parks, (Indonesia)	946,400
Siberut Nature Reserve, (Indonesia)	6,000

<u>Java (4.22.13)</u>	
Cibodas Reserve, (Indonesia)	1,040

<u>Lesser Sunda Islands (4.23.13)</u>	
Komodo National Park, (Indonesia)	59,000

<u>Sulawesi (Celebes) (4.24.13)</u>	
Lore Lindu National Park, (Indonesia)	131,000

<u>Borneo (4.25.13)</u>	
Tanjung Puting Nature Park, (Indonesia)	205,000

<u>Philippines (4.26.13)</u>	
Puerto Galera Biosphere Reserve, (Philippines)	23,525

OCEANIAN REALM

<u>Hawaiian (5.3.13)</u>	
Hawaii Islands Biosphere Reserve, (USA)	104,396

<u>Southeastern Polynesian (5.4.13)</u>	
Parque Nacional Juan Fernandez, (Chile)	18,300
Atoll de Taiaro, (France)	2,000

AUSTRALIAN REALM

<u>Tasmanian (6.2.2)</u>	
Southwest National Park, (Australia)	403,240

<u>Northern Coastal</u> (6.3.4)	
Prince Regent River Nature Reserve, (Australia)	633,825
<u>Western Sclerophyll</u> (6.4.6)	
Fitzgerald River National Park, (Australia)	242,727
<u>Eastern Sclerophyll</u> (6.6.6)	
Kosciusko National Park, (Australia)	625,525
Croajingolong, (Australia)	101,000
Wilson's Promontory National Park, (Australia)	49,000
<u>Central Desert</u> (6.9.7)	
Uluru (Ayers Rock-Mount Olga) National Park, (Australia)	132,550
<u>Southern Mulga/Saltbush</u> (6.10.7)	
The Unnamed Conservation Park of South Australia, (Australia)	2,132,600
Danggali Conservation Park, (Australia)	253,230
<u>Eastern Grasslands and Savannas</u> (6.13.11)	
Yathong Nature Reserve, (Australia)	87,698
Hattah-Kulkyne NP & Murray-Kulkyne Park, (Australia)	49,550
ANTARCTIC REALM	
<u>Insulantarctica</u> (7.4.9)	
Macquarie Island Nature Reserve, (Australia)	12,343
NEOTROPICAL REALM	
<u>Campechean</u> (8.1.1)	
Montes Azules, (Mexico)	331,200
<u>Panamanian</u> (8.2.1)	
Darien National Park, (Panama)	575,000
<u>Amazonian</u> (8.5.1)	
Reserva del Manu, (Peru)	1,881,200
<u>Madeiran</u> (8.6.1)	
Parque Nacional Pilon-Lagas, (Bolivia)	100,000
<u>Chilean Nothofagus</u> (8.11.2)	
Laguna San Rafael NP (incl. El Guayaneco NP), (Chile)	1,380,613
<u>Everglades</u> (8.12.4)	
Everglades NP (incl. Ft. Jefferson NM), (USA)	585,867
<u>Central American</u> (8.16.4)	
Reserva de la Biosfera de la Amistad, (Costa Rica)	500,000
Rio Platano Biosphere Reserve, (Honduras)	500,000
<u>Venezuelan Dry Forest</u> (8.17.4)	
Sierra Nevada de Santa Marta (incl. Tayrona NP), (Colombia)	731,250

<u>Equadorian Dry Forest</u> (8.19.4)	
Reserva del Noroeste, (Peru)	226,300
<u>Chilean Araucaria Forest</u> (8.22.5)	
Reserva de la Biosfera "Araucarias", (Chile)	81,000
<u>Chilean Sclerophyll</u> (8.23.6)	
Parque Nacional Fray Jorge, (Chile)	9,845
<u>Monte</u> (8.25.7)	
Reserva Natural de Vida Silvestre "Laguna Blanca", (Argentina)	770,000
<u>Llanos</u> (8.27.10)	
El Tuparro Nature Reserve, (Colombia)	928,125
<u>Uruguayan Pampas</u> (8.32.11)	
Banados del Este, (Uruguay)	200,000
<u>Northern Andean</u> (8.33.12)	
Cinturon Andino Cluster Biosphere Reserve, (Colombia)	855,000
<u>Puna</u> (8.36.12)	
Parque Nacional Lauca, (Chile)	520,000
Reserva Biologica de Ulla Ulla, (Bolivia)	200,000
<u>Southern Andean</u> (8.37.12)	
Reserva de la Biosfera "San Guillermo", (Argentina)	981,460
Torres del Paine National Park, (Chile)	163,000
Reserva de Huascarán, (Peru)	59,239
<u>Greater Antillean</u> (8.40.13)	
Luquillo Experimental Forest (Caribbean NF), (USA)	11,340
Guanica Commonwealth Forest Reserve, (USA)	4,006
<u>Lesser Antillean</u> (8.41.13)	
Virgin Islands National Park, (USA)	6,127

Summary of Biosphere Reserves by biome type

After Udvardy (1975)

Tropical humid forests

Afrotropical	12	1,412,430
Indomalayan	2	10,100
Australian	No areas listed	
Neotropical	4	2,887,400
	18	4,309,930

Temperate

needle-leaf forests/woodlands

Nearctic	1	782,000
Palaearctic	No areas listed	
	1	782,000

Temperate broad-leaf forests

Nearctic	8.5	784,241
Palaearctic	35	984,570
Neotropical	1	81,000
	44.5	1,849,811

Warm deserts/semi-deserts

Nearctic	5	706,122
Palaearctic	1	1,000
Afrotropical	6	2,850,570
Indomalayan	1	31,355
Australian	3	2,518,380
Neotropical	1	770,000
	17	6,877,427

Tundra communities

Nearctic	3	74,136,140
Palaearctic	1	1,555,000
Antarctic	1	12,343
	5	75,703,483

Temperate grasslands

Nearctic	3	13,744
Palaearctic	3	35,770
Australian	2	137,248
Neotropical	1	200,000
	9	386,762

Mixed island systems

Palaearctic	1	511
Afrotropical	1	3,594
Indomalayan	7	1,371,965
Oceanian	3	124,696
Neotropical	3	21,473
	15	1,522,239

Subtropical/temperate rainforests/woodlands

Nearctic	3	429,714
Palaearctic	4	310,210
Australian	1	403,240
Antarctic	No areas listed	
Neotropical	1	1,380,613
	9	2,523,777

Tropical dry forests/woodlands

Afrotropical	10	7,374,656
Indomalayan	4	26,612
Australian	1	633,825
Neotropical	5	2,543,417
	20	10,578,510

Evergreen sclerophyllous forests

Nearctic	2.5	16,227
Palaearctic	16	448,848
Afrotropical	No areas listed	
Australian	4	1,018,252
Neotropical	1	9,845
	23.5	1,493,172

Cold-winter deserts

Nearctic	1	22,513
Palaearctic	5	1,869,286
Neotropical	No areas listed	
	6	1,891,799

Tropical grasslands/savannas

Australian	No areas listed	
Neotropical	1	928,125
	1	928,125

Mixed mountain systems

Nearctic	12	1,953,868
Palaearctic	36	1,600,710
Afrotropical	2	86,824
Neotropical	6	2,778,699
	56	6,420,101

Lake systems

Nearctic	1	215,740
Palaearctic	No areas listed	
Afrotropical	No areas listed	
Neotropical	No areas listed	
	1	215,740

A total of 226 sites covering 115,482,876 hectares

List of Biosphere Reserves by biome type (after Udvardy, 1975)

1 Tropical humid forests

Afrotropical

Reserve forestiere et de faune du Dja, (Cameroon)	500,000
Parc National de Tai, (Ivory Coast)	330,000
Reserve Floristique de Yangambi, (Zaire)	250,000
Reserve de la Biosphere du Massif du Ziamba, (Guinea)	116,170
Parc National d'Odzala, (Congo)	110,000
Forest Reserve de Luki, (Zaire)	33,000
Basse-Lobaye Forest, (C. African Rep.)	18,200
Reserve de la Biosphere des Monts Nimba, (Guinea)	17,130
Reserve naturelle integrale d'Ipassa-Makokou, (Gabon)	15,000
Vallee de la Lufira, (Zaire)	14,700
Bia National Park, (Ghana)	7,770
Omo Reserve, (Nigeria)	460

Indomalayan

Sinharaja Forest Reserve, (Sri Lanka)	8,900
Dinghu Nature Reserve, (China)	1,200

Neotropical

Reserva del Manu, (Peru)	1,881,200
Darien National Park, (Panama)	575,000
Montes Azules, (Mexico)	331,200
Parque Nacional Pilon-Lagas, (Bolivia)	100,000

2 Subtropical/temperate rainforests/woodlands

Nearctic

Olympic National Park, (USA)	363,379
Cascade Head Expt. Forest & Scenic Research Area, (USA)	7,051
California Coast Ranges Biosphere Reserve, (USA)	59,284

Palaeartic

Wolung Nature Reserve, (China)	207,210
Mount Hakusan, (Japan)	48,000
Mount Odaigahara & Mount Omine, (Japan)	36,000
Yakushima Island, (Japan)	19,000

Australian

Southwest National Park, (Australia)	403,240
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Neotropical

Laguna San Rafael NP (incl. El Guayaneco NP), (Chile)	1,380,613
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3 Temperate needle-leaf forests/woodlands

Nearctic

Denali National Park and Biosphere Reserve, (USA)	782,000
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4 Tropical dry forests/woodlands

Afrotropical

Serengeti NP & Ngorongoro Conservation Area, (Tanzania)	2,305,000
Bamingui Bangoran Conservation area, (C. African Rep.)	1,622,000
Parc national de la Comoe, (Ivory Coast)	1,150,000
Parc National du Niokolo-Koba, (Senegal)	913,000
Parc National de la Boucle du Baoule (etc), (Mali)	771,000
Ruwenzori National Park, (Uganda)	220,000
Delta du Sine Saloum, (Senegal)	180,000
Parc National de la Benoue, (Cameroon)	180,000
Lake Manyara National Park, (Tanzania)	32,900
Foret classée de Samba Dia, (Senegal)	756

Indomalayan

Mae Sa-Kog Ma Reserve, (Thailand)	14,200
Sakaerat Environmental Research Station, (Thailand)	7,200
Hauy Tak Teak Reserve, (Thailand)	4,700
Hurulu Forest Reserve, (Sri Lanka)	512

Australian

Prince Regent River Nature Reserve, (Australia)	633,825
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Neotropical

Sierra Nevada de Santa Marta (incl. Tayrona NP), (Colombia)	731,250
Everglades NP (incl. Ft. Jefferson NM), (USA)	585,867
Reserva de la Biosfera de la Amistad, (Costa Rica)	500,000
Rio Platano Biosphere Reserve, (Honduras)	500,000
Reserva del Noroeste, (Peru)	226,300

5 Temperate broad-leaf forests

Nearctic

South Atlantic Coastal Plain BR (N part), (USA)	438,210
Great Smoky Mountains National Park, (USA)	208,403
Central Gulf Coastal Plain Biosphere Reserve, (USA)	72,964
Big Thicket National Preserve, (USA)	34,217
The Virginia Coast Reserve, (USA)	13,511
South Atlantic Coastal Plain BR (S part), (USA)	6,125
Mont St Hilaire, (Canada)	5,550
Hubbard Brook Experimental Forest, (USA)	3,076
Coweeta Hydrologic Laboratory, (USA)	2,185

Palaearctic

Sikhote-Alin Reserve, (USSR)	340,200
Changbai Nature Reserve, (China)	217,235
Berezinsky Reserve, (Byelorussia)	76,201
Hortobagy National Park, (Hungary)	52,000
Mt. Sorak Biosphere Reserve, (S. Korea)	37,430
Slovak Karst Reserve, (Czechoslovakia)	36,100
Neusiedler See-Osterreichischer Teil, (Austria)	25,000
Pilis Biosphere Reserve, (Hungary)	23,000
Kiskunsag Biosphere Reserve, (Hungary)	22,095
Retezat National Park, (Romania)	20,000
Biosphere Reserve of Aggtelek, (Hungary)	19,246

Slowinski National Park, (Poland)	18,069
Bayerischer Wald National Park, (F.R.G.)	13,100
Shiga Highland, (Japan)	13,000
Lake Fertő Biosphere Reserve, (Hungary)	12,542
Killarney National Park, (Ireland)	8,038
Moor House-Upper Teesdale Biosphere Reserve, (UK)	7,399
Caerlaverock National Nature Reserve, (UK)	5,501
North Norfolk Coast Biosphere Reserve, (UK)	5,497
Bialowieza National Park, (Poland)	5,069
Priokosko-Terrasny Reserve, (USSR)	4,945
Central-Chernozem Reserve, (USSR)	4,795
Silver Flowe-Merrick Kells Biosphere Reserve, (UK)	3,088
Pietrosu Mare Nature Reserve, (Romania)	3,068
Steckby-Loedderitz Forest Nature Reserve, (GDR)	2,113
Cairnsmore of Fleet National Nature Reserve, (UK)	1,922
Dyfi National Nature Reserve, (UK)	1,589
North Bull Island, (Ireland)	1,390
Vessertal Nature Reserve, (GDR)	1,384
St Kilda National Nature Reserve, (UK)	842
Lukajno Lake Reserve, (Poland)	710
Reserve Srebarna, (Bulgaria)	600
Braunton Burrows National Nature Reserve, (UK)	596
Claish Moss National Nature Reserve, (UK)	480
Taynish National Nature Reserve, (UK)	326

Neotropical

Reserva de la Biosfera "Araucarias", (Chile)	81,000
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6 Evergreen sclerophyllous forests

Nearctic

Channel Islands National Monument, (USA)	7,448
San Dimas Experimental Forest, (USA)	6,947
San Joaquin Experimental Range, (USA)	1,832

Palaeartic

Las Sierras de Cazorla y Segura Biosphere Reserve, (Spain)	190,000
Reserva de la Biosfera de Doñana, (Spain)	77,260
Reserva de Ordesa-Vinamala, (Spain)	51,396
Reserva de Grazalema, (Spain)	32,210
Reserva de la Biosfera de la Mancha Humeda, (Spain)	25,000
Parque Natural del Montseny, (Spain)	17,372
Reserve Nationale de Camargue, (France)	13,117
Parc National de l'Ichkeul, (Tunisia)	10,770
Reserva de la Biosfera de las Marismas del Odiel, (Spain)	8,728
Forêt Domaniale du Fango, (France)	6,410
Gorge of Samaria National Park, (Greece)	4,840
Parc National des Iles Zembra et Zembretta, (Tunisia)	4,030
Mount Olympus National Park, (Greece)	4,000
Forêt Domaniale du Circeo, (Italy)	3,260
Paul do Boquilobo, (Portugal)	395
Miramare Marine Park, (Italy)	60

Australian

Kosciusko National Park, (Australia)	625,525
Fitzgerald River National Park, (Australia)	242,727
Croajingolong, (Australia)	101,000
Wilson's Promontory National Park, (Australia)	49,000

Neotropical

Parque Nacional Fray Jorge, (Chile)	9,845
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7 Warm deserts/semi-desertsNearctic

Big Bend National Park, (USA)	283,247
Organ Pipe Cactus National Monument, (USA)	133,278
Beaver Creek Experimental Watershed, (USA)	111,300
Reserva de Mapimi, (Mexico)	100,000
Jornada Experimental Range, (USA)	78,297

Palaeartic

Omayed Experimental Research Area, (Egypt)	1,000
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Afrotropical

Radom National Park, (Sudan)	1,250,970
Mount Kulal Biosphere Reserve, (Kenya)	700,000
Dinder National Park, (Sudan)	650,000
Parc National de Waza, (Cameroon)	170,000
Kiunga Marine National Reserve, (Kenya)	60,000
Malindi-Watamu Biosphere Reserve, (Kenya)	19,600

Indomalayan

Lal Sohara National Park, (Pakistan)	31,355
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Australian

Unnamed Conservation Park of South Australia, (Australia)	2,132,600
Danggali Conservation Park, (Australia)	253,230
Uluru (Ayers Rock-Mount Olga) National Park, (Australia)	132,550

Neotropical

Reserva Nat. de Vida Silvestre "Laguna Blanca", (Argentina)	770,000
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8 Cold-winter desertsNearctic

Desert Experimental Range, (USA)	22,513
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Palaeartic

Touran Protected Area, (Iran)	1,000,000
Kavir National Park, (Iran)	700,000
Hara Protected Area, (Iran)	85,686
Geno Protected Area, (Iran)	49,000
Repetek Reserve, (USSR)	34,600

9 Tundra communities

Nearctic

Northeast Greenland National Park, (Denmark)	70,000,000
Noatak National Arctic Range, (USA)	3,035,200
Aleutian Islands National Wildlife Refuge, (USA)	1,100,940

Palaearctic

Northeast Svalbard Nature Reserve, (Norway)	1,555,000
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Antarctic

Macquarie Island Nature Reserve, (Australia)	12,343
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10 Tropical grasslands/savannas

Neotropical

El Tuparro Nature Reserve, (Colombia)	928,125
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11 Temperate grasslands

Nearctic

Central Plains Experimental Range (CPER), (USA)	6,210
The University of Michigan Biological Station, (USA)	4,048
Konza Prairie Research Natural Area, (USA)	3,486

Palaearctic

Rosca-Letea Reserve, (Romania)	18,145
Parc National de Djebel Bou-Hedma, (Tunisia)	11,625
Parc National de Djebel Chambi, (Tunisia)	6,000

Australian

Yathong Nature Reserve, (Australia)	87,698
Hattah-Kulkyne NP & Murray-Kulkyne Park, (Australia)	49,550

Neotropical

Banados del Este, (Uruguay)	200,000
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12 Mixed mountain systems

Nearctic

Yellowstone National Park, (USA)	898,349
Glacier National Park, (USA)	410,058
Sequoia-Kings Canyon National Parks, (USA)	343,000
Rocky Mountain National Park, (USA)	106,710
Three Sisters Wilderness, (USA)	80,900
Waterton Lakes National Park, (Canada)	52,597
Reserva de la Michilia, (Mexico)	42,000
- Fraser Experimental Forest, (USA)	9,328
H.J. Andrews Experimental Forest, (USA)	6,100
Coram Experimental Forest (incl. Coram NA), (USA)	3,019
Niwot Ridge Biosphere Reserve, (USA)	1,200
Stanislaus-Tuolumne Experimental Forest, (USA)	607

Palaearctic

Lake Oromeeh National Park, (Iran)	462,600
Caucasian Reserve, (USSR)	263,500
Reserve Ecologique du Bassin de la Riviere Tara, (Yugoslavia)	200,000
The Velebit Mountain, (Yugoslavia)	150,000
Golestan National Park, (Iran)	125,895
Trebon Basin Reserve, (Czechoslovakia)	70,000
Miankaleh Protected Area, (Iran)	68,800
Arjan Protected Area, (Iran)	65,750
Krivoklatsko Reserve, (Czechoslovakia)	62,792
Arasbaran Protected Area, (Iran)	52,000
Sary-Chelek Reserve, (Kirghizia)	23,868
Parc National Suisse, (Switzerland)	16,870
Isle of Rhum National Nature Reserve, (UK)	10,560
Beinn Eighe National Nature Reserve, (UK)	4,800
Parc national Steneto, (Bulgaria)	1,865
Reserve Djendema, (Bulgaria)	1,775
Babia Gora National Park, (Poland)	1,728
Loch Druidibeg National Nature Reserve, (UK)	1,658
Reserve Maritchini ezera, (Bulgaria)	1,510
Reserve Parangalitza, (Bulgaria)	1,509
Gurgler Kamm, (Austria)	1,500
Reserve Baevi doupki, (Bulgaria)	1,449
Reserve Boatine, (Bulgaria)	1,228
Reserve Doupkata, (Bulgaria)	1,210
Lobau Reserve, (Austria)	1,000
Reserve Koupena, (Bulgaria)	962
• Reserve Bistrichko Branichte, (Bulgaria)	943
Reserve Tchouprene, (Bulgaria)	936
Reserve Tsaritchina, (Bulgaria)	616
Reserve Mantaritza, (Bulgaria)	576
Reserve Ouzounbodjak, (Bulgaria)	575
Reserve Tchervenata stena, (Bulgaria)	571
Reserve Kamtchia, (Bulgaria)	556
Reserve Alibotouch, (Bulgaria)	530
Collemeluccio-Montedimezzo, (Italy)	478
Gossenkollesee, (Austria)	100

Afrotropical

Mount Kenya Biosphere Reserve, (Kenya)	71,759
Parc national des Volcans, (Rwanda)	15,065

Neotropical

Reserva de la Biosfera "San Guillermo", (Argentina)	981,460
Cinturon Andino Cluster Biosphere Reserve, (Colombia)	855,000
Parque Nacional Lauca, (Chile)	520,000
Reserva Biologica de Ulla Ulla, (Bolivia)	200,000
Torres del Paine National Park, (Chile)	163,000
Reserva de Huascan, (Peru)	59,239

13 Mixed island systems

Palaearctic

Reserva de la Biosfera del Canal y los Tiles, (Spain)	511
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Afrotropical

Macchabee/Bel Ombre Nature Reserve, (Mauritius)	3,594
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Indomalayan

Gunung Leuser National Parks, (Indonesia)	946,400
Tanjung Puting Nature Park, (Indonesia)	205,000
Lore Lindu National Park, (Indonesia)	131,000
Komodo National Park, (Indonesia)	59,000
Puerto Galera Biosphere Reserve, (Philippines)	23,525
Siberut Nature Reserve, (Indonesia)	6,000
Cibodas Reserve, (Indonesia)	1,040

Oceanian

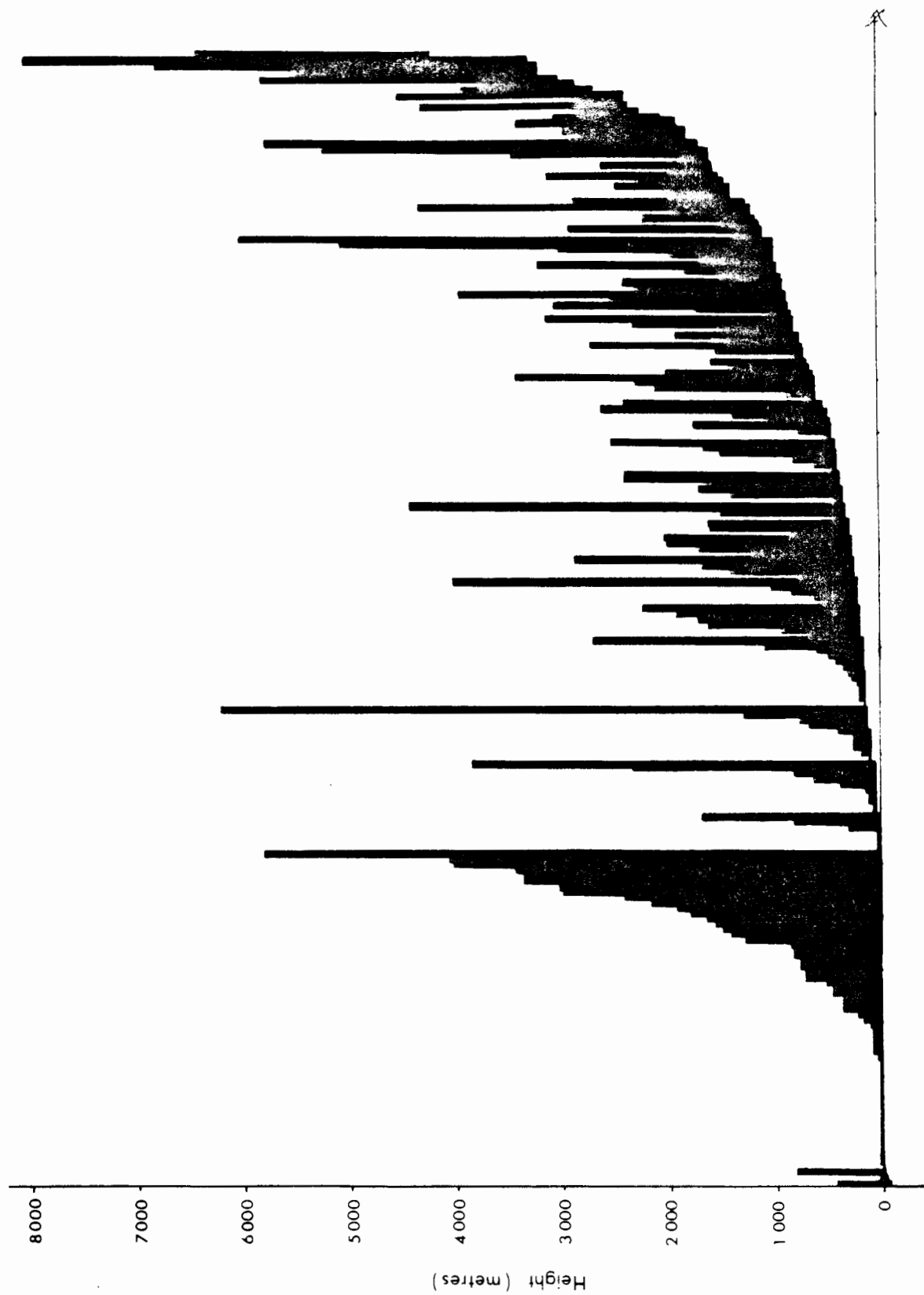
Hawaii Islands Biosphere Reserve, (USA)	104,396
Parque Nacional Juan Fernandez, (Chile)	18,300
Atoll de Taiaro, (France)	2,000

Neotropical

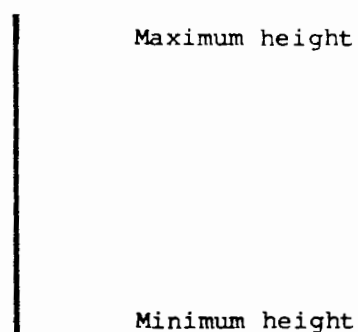
Luquillo Experimental Forest (Caribbean NF), (USA)	11,340
Virgin Islands National Park, (USA)	6,127
Guanica Commonwealth Forest Reserve, (USA)	4,006

14 Lake systemsNearctic

Isle Royale National Park, (USA)	215,740
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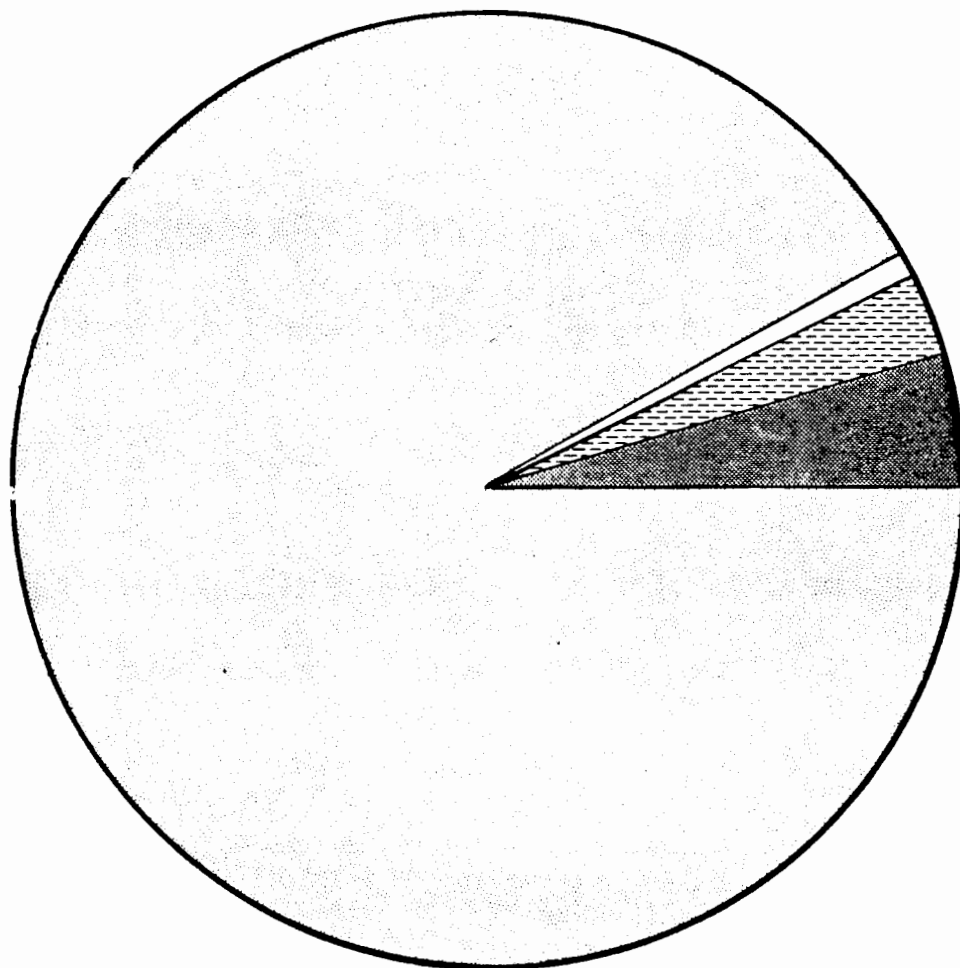


Altitudinal ranges of Biosphere Reserves



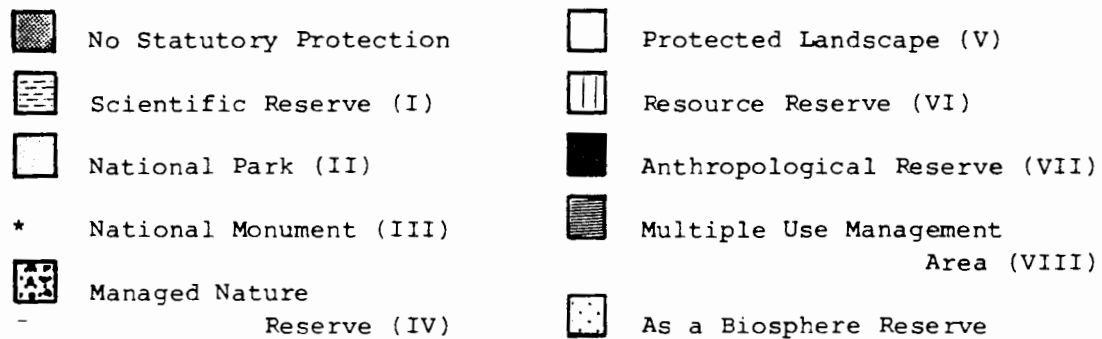
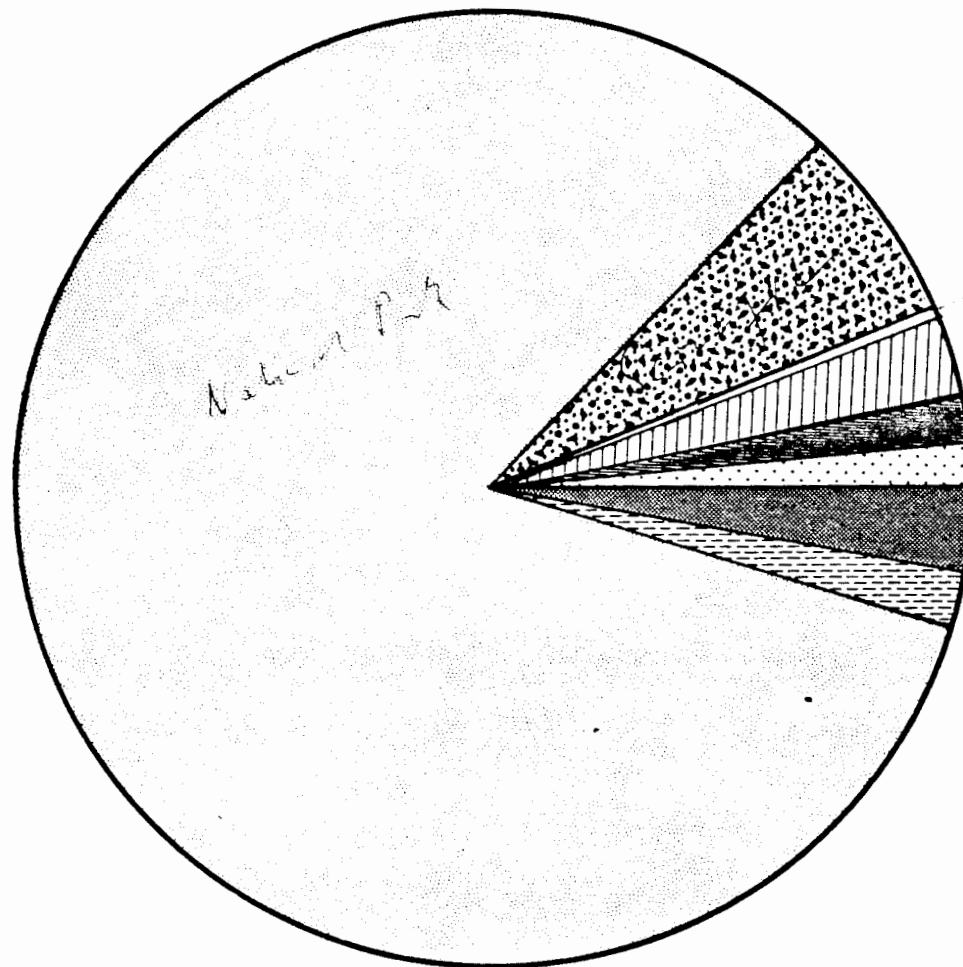
The graph opposite shows the height ranges of each of the 212 biosphere reserves for which we have information. The sites are arranged in order of minimum altitude.

Land Tenure in Biosphere Reserves as a proportion of total area



-  Country/National
-  Local
-  Private
-  State/Province

Land protection in Biosphere Reserves as a proportion of total area



* Note: Only 60 Hectares

International conventions and Biosphere Reserves

Two international conventions covering the protection of areas of the world for conservation purposes have areas inscribed which are included either completely or partially within a biosphere reserve;

World Heritage Convention*

Bialoweza National Park (Poland)
Darien National Park (Panama)
Everglades National Park (US)
Ichkeul National Park (Tunisia)
Mount Nimba Strict Nature Reserve (Guinea)
Ngorongoro Conservation Area (Tanzania)
Niokola-koba National Park (Senegal)
Olympic National Park (US)
Redwood National Park (US)
Rio Platano (Honduras)
Serengeti National Park (Tanzania)
Tai National Park (Ivory Coast)
Western Tasmania Wilderness National Parks (Australia)
Yellowstone National Park (US)

(14 out of the total of 39 inscribed natural World Heritage Sites)

Ramsar Convention**

Claish Moss (UK)
Cors Fochno and Dyfi (UK)
Donana National Park (Spain)
Hattah-Kulkyne Lakes (Australia)
Hortobagy National Park (Hungary)
Ichkeul Wetland (Tunisia)
Khouran Straits (Iran)
Kiskunsag National Park (Hungary)
Lake Oroomiyeh (Iran)
Las Tablas de Daimiel National Park (Spain)
Loch Druidibeg, Loch a'Machair & Loch Stilligary (UK)
Luknajno Lake Nature Reserve (Poland)
Mainkaleh Peninsula, Gorgan Bay and Lapoo-Zargmarz Ab-bandans (Iran)
Gebiet des Neusiedlersees einschliesslich der Lacken im Seewinkel
(Austria)
North Norfolk Coast (UK)
Silver Flowe (UK)
Srebarna Waterfowl Reserve (Bulgaria)
Untere Lobau (Austria)

* Convention concerning the protection of the world cultural and natural heritage (Paris, France - November 1972).

** Convention on Wetlands of International Importance Especially as Waterfowl Habitat (Ramsar, Iran - February 1971).

Addresses

Aleutian Islands NWR
PO Box 5251, FPO Seattle,
Washington 98791.

Arasbaran Protected Area
Department of the Environment,
PO Box 1430, Tehran.

Arjan Protected Area
The Department of the
Environment, PO Box 1430,
Tehran.

Atoll de Taiaro
Management Committee
Secretariat, Délégué de la
Commission des Monuments
Naturels et Sites, BP 866,
Tahiti, French Polynesia.

Babia Gora National Park
34-223 Zawoja, Poland.

Bamingui Bangoran CA
Ministère des Eaux et Forêts.
BP 830, Bangui.

Banados del Este
Instituto Nacional para la
Preservacion del Medio
Ambiente, s/c Luis Cavia 3046,
Montevideo.

Basse-Lobaye Forest
Ministère des Eaux, Forêts, BP
830, Bangui.

Bayerischer Wald National Park

Beaver Creek Expt. Watershed
Forest Service Administrator
of the Land, Supervisor,
Coconino NF, PO Box 1268,
Flagstaff, Arizona 86002

Beinn Eighe NNR
Regional Officer NCC,
(NW Scotland), Fraser Darling
House, 9 Culduthel Road,
Inverness.

Berezinsky Reserve
p/o Domzheritsy, Lepel'
District, Vitebsk Region,
Byelorussian SSR, 211188.

Bia National Park
The Senior Game Warden, PO Box
171, Sefwi-Wiawso.

Bialowieza National Park
Bialowieski Park Narodowy,
Bialowieza 17-230, Poland.

Big Bend National Park
Superintendent, Big Bend
National Park, Texas 79834.

Big Thicket National Preserve
Superintendent, PO Box 7408,
Beaumont, Texas.

Biosphere Reserve of Aggtelek
Aggteleki Tajvédelmi Körzet,
Aggtelek, Kossuth L.u. 25.

Braunton Burrows NNR
Regional Office NNC,
(SW Region), Roughmoor,
Bishop's Hull, Taunton,
Somerset.

Caerlaverock NNR
Regional Officer NCC,
(SW Scotland Region), The
Castle, Loch Lomond Park,
Balloch, Dunbartonshire.

Cairnsmore of Fleet NNR
The Regional Officer, NCC, (SW
Scotland Region), The Castle,
Loch Lomond Park, Balloch,
Dunbartonshire

California Coast Ranges BR
Redwood National Park, 1111
Second Street, Crescent City,
California 95531; and
University of California,
Systemwide Administration,
Berkeley, California 94720; and
N California Coast Range
Preserve, 42101 Wilderness
Road, Branscomb, CA 95417

Cascade Head
Forestry Sciences Lab., 3200
Jefferson Way, Corvallis,
Oregon 97331.

Caucasian Reserve
Sukhumskoe Shosse, 7-A, Sochi,
Krasnodar Territory, RSFSR,
354067.

Central Gulf Coastal Plain BR
Florida Department of Natural
Resources, 3900 Commonwealth
Boulevard, TALLAHASSEE,
Florida 32303

Central Plains Expt. Range
Officer-in-Charge,
Agricultural Research Service,
USDA, Crops Research Lab.,
Colorado State University,
Fort Collins, Colorado 80523.

Central-Chernozem Reserve
p/o Zapovednoe, Kursk Region,
RSFSR, 307028.

Changbai Nature Reserve

Channel Islands NM
 Superintendent, Channel
 Islands National Park, 1901
 Spinnaker Drive, Ventura,
 California 93001.

Cibodas Reserve
 PPA Section chiefs of Jabar I,
 Bogor, Indonesia.

Cinturon Andino Cluster BR
 Puracé: Celedonia Roza
 Millan, Calle 4a No. 4-38,
 Popayan; Guacharos:
 INDERENA, Pitalito, Huila;
 Huila: INDERENA, Neiva.

Claish Moss NNR
 The Regional Officer NCC, (NW
 Scotland), Caledonia House, 63
 Academy Street, Inverness.

Collemeluccio-Montedimezzo
 Azienda di Stato per le
 Foreste Domaniali, Ufficio
 Amministrazione Isernia, Via
 Dante Alighieri 13, 86170
 Isernia.

Coram Experimental Forest
 Forestry Sciences Lab.,
 Intermountain Forest & Range
 Experiment Station, PO Box
 1376, Vozeman, Montana 59715.

Coweeta Hydrologic Laboratory
 Coweeta Hydrologic Laboratory,
 PO Box 601, Franklin, N.C.
 28734.

Croajingolong
 District Supt., National Parks
 Service, PO Box 569,
 Bairnsdale, Victoria 3875

Danggali Conservation Park
 NPWS Murraylands Regional
 Office, Berri, South
 Australia, also Ranger in
 Charge at Danggali CP.

Darien National Park
 Biol. Ramon Alvarado, National
 Parks and Wildlife Department,
 RENARE, Apartado 2016, Ciudad
 de Panama.

Delta du Sine Saloum
 Kaolack, BP 307.

Denali National Park
 Supt., Denali National Park
 and Preserve, PO Box 9,
 McKinley Park, Alaska 99755.

Desert Experimental Range
 Project Leader, Research Work
 Unit 1703, Shrub Sciences
 Laboratory, Intermountain
 Forest and Range Experiment
 Station, 735 North 500 East,
 Provo, Utah 846-1.

Dinder National Park
 No information.

Dinghu Nature Reserve
 No information.

Dyfi National Nature Reserve
 Regional Officer NCC, (Dyfed &
 Powys), Plas Gogerddan,
 Aberystwyth, Dyfed SY23 3EB.

El Tuparro Nature Reserve
 Jefe Parque nacional El
 Tuparro, INDERENA,
 Villavicencio

Everglades/Ft. Jefferson
 General Superintendent,
 Everglades National Park, PO
 Box 279, Homestead, Florida
 33030.

Fitzgerald River National Park
 Director of National Parks,
 Hackett Drive, Nedlands,
 Western Australia, 6009.

Forest Reserve de Luki
 INERA - Luki Station, Bomna,
 Bas Zaire.

Foret Domaniale du Circeo
 Via Carlo Alberto 53,
 Sabaudia, Latina

Foret Domaniale du Fango
 Laboratoire de Pirio, Manso,
 20245 Galeria, France; Lycée
 de Bastia, 20200 Bastia

Foret classée de Samba Dia

Fraser Experimental Forest
 Project Leader MFRWU-1251,
 Rocky Mountain Forest and
 Range Experiment Station, 240
 West Prospect Street, Fort
 Collins, Colorado 80521

Geno Protected Area
 Department of the Environment,
 PO Box 1430, Tehran

Glacier National Park
 Supt., Glacier National Park,
 West Glacier, Montana 59936.

Golestan National Park
 Department of the Environment,
 PO Box 1430, Tehran

Gorge of Samaria National Park
Chania Forest Service and
Agria Roumeli, c/o Park
Warden, Samaria.

Gossenköllesee
Limnology Division, Institute
of Zoology, University of
Innsbruck, Universitätsstr. 4,
A-6020 Innsbruck, Austria.

Great Smoky Mountains NP
Supt., Great Smoky Mountains
National Park, Gatlinburg,
Tennessee 37738

Guanica Commonwealth Forest

Gunung Leuser National Parks
Kepala Balai I, PPA, Jl.
Sisingamangaraja Km 5.5,
Medan; and
Kepala Sub-Balai PPA Leuser,
Kutacane, Aceh Tenggara.

Gurgler Kamm
Alpine Forschungsstelle
Obergurgl, University of
Innsbruck, A-6020 Innsbruck

H.J. Andrews Experimental Forest
Department of Agriculture,
Forest Service, Pacific
Northwest Forest and Range
Experiment Station, Forestry
Sciences Lab., 3200 Jefferson
Way, Corvallis, Oregon 97331

Hara Protected Area
Department of the Environment,
PO Box 1430, Tehran.

Hattah-Kulkyne/Murray-Kulkyne
Head Office, Fisheries and
Wildlife Division, 250
Victoria Parade, East
Melbourne 3002; and
Head Office, National Parks
Service, 240 Victoria Parade,
East Melbourne 3002.

Hauy Tak Teak Reserve
Chief of Hauy Tak Teak
Plantation, Amphur Ngao,
Lampang.

Hawaii Islands Biosphere Reserve
Supt., Haleakala National
Park, PO Box 369, Makawao,
Maui, Hawaii 96768; and
Supt., Hawaii Volcanoes
National Park, Hawaii 96718

Hortobágy National Park
National Authority for
Environment Protection and
Nature Conservation,
Management of Hortobágy
National Park, Debrecen,
Böszörményi út 138.,
Letters: 4002 Debrecen 2, PO
Box 109.

Hubbard Brook Expt. Forest
Project Leader, Northeastern
Forest Expt. Station, PO Box
640, Durham, New Hampshire
03824.

Hurulu Forest Reserve
Divisional Forest Officer,
North Central Division,
Trincomalee.

Isle Royale National Park
Supt., Isle Royale National
Park, US National Park
Service, 87 N Ripley,
Houghton, MI 49931.

Isle of Rhum NNR
Regional Officer NCC, (West
Scotland, Fraser Darling
House, 9 Culduthel Road,
Inverness.

Jornada Experimental Range
Location Leader, Jornada
Experimental Range, PO Box
698, Las Cruces, New Mexico
88001.

Kavir National Park
Department of the Environment,
PO Box 1430, Tehran.

Killarney National Park
Park Superintendent, Killarney
National Park, Muckross,
Killarney, Co. Kerry.

Kiskunság Biosphere Reserve
National Authority for
Environment Protection and
Nature Conservation,
Management of Kiskunság
National Park, 6001 Kecskemét,
Liszt Ferenc u 19.

Kiunga Marine National Reserve
Warden, WCMD, P.O. Kiunga, via
Lamu, Kenya.

Komodo National Park
Gaspar Yohannes Tonggo,
Section Officer (Kepala
Seksi), Labuan Bajo Ruteng,
Nusa Tenggara Timur.

Konza Prairie Research NA
 Director of Konza Prairie,
 Division of Biology, Kansas
 State University, Manhattan,
 Kansas 66506.

Kosciusko National Park
 Superintendent, Kosciusko
 National Park, Private Mail
 Bag, Via Cooma, N.S.W. 2630.

Krivoklatsko Reserve
 Temporary: Centre for
 Monument and Nature
 Conservancy, Praha 5,
 Zborovska 11.

Laguna San Rafael/El Guayaneco
 Mario Vildosola Y.,
 Corporacion Nacional Forestal
 XI Region, Casilla 412,
 Coyhaique

Lake Ferto Biosphere Reserve
 OKTH Sopron Nature Conservancy
 Inspectorate, 9400 Sopron,
 Köfarago ter 9.

Lake Manyara National Park
 Tanzania National Parks, Uhuru
 Road, PO Box 3134, Arusha.

Lake Oromeeh National Park
 The Department of the
 Environment, PO Box 1430,
 Tehran.

Lal Sohara National Park
 Administrator, Lal Suhanra
 National Park, Bahawalpur,
 Pakistan.

Las Sierras de Cazorla y Segura
 Direccion General de Medio
 Ambiente Junta de Andalucia,
 Pza. de America, Pabellon
 Real, Sevilla

Lobau Reserve
 Townhall of Vienna, MA Inneres
 and Bürgerservice, Stadtrat P.
 Schieder, Rathaus Stiege 4,
 1082 Vienna.

Loch Druidibeg NNR
 The Regional Officer NCC, (NW
 Scotland), Fraser Darling
 House, 9 Culduthel Road,
 Inverness.

Lore Lindu National Park
 Yaya Mulyana, Section Chief,
 Dinas Kehutanan Dati 1
 Sulawesi Tengah, Palu, Central
 Sulawesi.

Lukajno Lake Reserve
 Nadlesnictwo Strzalow,/
 Superintendent Forestry
 Strzalow, 11-733 Baranowo.

Luquillo Experimental Forest
 Director, Institute of
 Tropical Forestry, PO Box AQm
 Rio Piedras, Puerto Rico 00928.

Macchabee/Bel Ombre
 Conservator of Forests,
 Ministry of Agriculture,
 Natural Resources and the
 Environment, Forestry Service,
 Curepipe

Macquarie Island Nature Reserve
 NPWS, PO Box 210, Sandy Bay,
 Tasmania 2005.

Mae Sa-Kog Ma Reserve
 Mae Sa Integrated Watershed
 and Forest Land Use Project,
 Box 1200, Chiangmai.

Malindi-Watamu
 Warden, Marine National Parks,
 PO Box 109, Malindi.

Miankaleh Protected Area
 Department of the Environment,
 PO Box 1430, Tehran.

Miramare Marine Park
 Mme. Catalgano Elida, Parc
 Marin de Miramare, Station de
 Contrôle, 34014 Trieste.

Mont St Hilaire
 422 rue des Moulins, Mont St
 Hilaire, Quebec JOL 1LO.

Montes Azules
 Programme MAB Mexico,
 Secretaria Forestal y de la
 Fauna, c/o Secretaria de
 Agricultura et Recursos
 hidraulicos, Insurgentes Sur
 No. 476, Mexico D.F.

Moor House-Upper Teesdale
 Regional Officer, NCC , (NW
 England), Blackwell,
 Bowness-on Windermere, Cumbria.

Mount Hakusan
 Ichinose Ranger Office,
 Hakusan National Park,
 Ichinose, Shiramine-mura,
 Ishikawa-gun, Ishikawa
 Prefecture, 920-25 Japan.

Mount Kenya
 Mount Kulal
 Director, National Environment
 Secretariat, Office of the
 President, PO Box 30510,
 Nairobi, Kenya.

Mount Odaigahara & Mount Omine
Yoshino-Kumano National Park
Office, 6251 Shingu, Shingu
City, Wakayama Prefecture, 647
Japan.

Mount Olympus National Park
Range Forester located in
Litochoron. Supervision by
District Directorate of
Forests, Katerini-Pieria.

Mt. Sorak Biosphere Reserve
Office of Mt. Sorak National
Park. Sorak-dong, Sokcho Si,
210-20 Kangwan-do.

Neusiedlersee-Osterreich. Teil
Biologische Station Illmitz,
Abteilung f.
Okosystemforschung,
Donnerskirchen, Burgenland

Niwot Ridge Biosphere Reserve
Arapaho and Roosevelt National
Forests, Federal Building, 301
S. Howes, Fort Collins, Co
80521.

Noatak National Arctic Range
Supt., Noatak N. Preserve,
General Delivery, Kotzebue,
Alaska 99752.

North Bull Island
Dublin District Council, Dublin

North Norfolk Coast
Regional Officer NCC, (East
Anglia), 60 Bracondale, Norwich

Northeast Greenland NP
The Ministry for Greenland,
DK-1128, Copenhagen K, Denmark.

Northeast Svalbard NR
International Division,
Ministry of the Environment,
Myntgaten 2, Oslo-Dep., Oslo 1.

Olympic National Park
Superintendent, Olympic
National Park, 600 E. Park
Avenue, Port Angeles,
Washington 98362.

Omayed Expt. Research Area
c/o REMDENE, PO Box 589,
Alexandria.

Omo Reserve
The Director, Forestry
Research Institute of Nigeria,
P.M.B. 5054, Ibadan.

Organ Pipe Cactus NM
Supt., Organ Pipe Cactus
National Monument, Route 1,
Box 100, Ajo, Arizona, 85321.

Parc National Suisse
Directorate and
Administration, Maison du Parc
national, CH-7530 Zerneux.

Parc National d'Odzala
Service des Chasses et de la
Conservation de la nature, BP
2153, Brazzaville

PN de Djebel Bou-Hedma

Parc National de Djebel Chambi
Ministère de l'Agriculture,
Direction des Forêts, 30 rue
Alain Savary, Tunis, Tunisia.

Parc National de Tai
Ministère des Eaux et Forêts,
Direction des Parcs Nationaux
et reserves analogues, B.P. V
178, ABIDJAN.

Parc National de Waza
Department of Wildlife and
National Parks, General
Delegation of Tourism.

Parc National de l'Ichkeul
Ministère de l'Agriculture,
Direction des Forêts, 30 rue
Alain Savary, Tunis, Tunisia.

Parc National de la Benoue
Secretariat Permanent du
Comite National MAB, B.8.4742,
YAOUNDE, Republique Unie du
Cameroun.

PN de la Boucle du Baoule (etc)
Opération Parc National de la
Boucle du Baoulé, Testard,
Bamako, BP 275.

PN des Iles Zembra et Zembretta
Ministère de l'Agriculture,
Direction des Forêts, 30 rue
Alain Savary, Tunis, Tunisia.

Parc National du Niokolo-Koba
Parc Conservateur, PN
Niokolo-Koba, Tamba-Counda, BP
37, Senegal; or Primature,
National Parks Service, B.P.
5135 DAKAR FANN

Parc national Steneto
Economie forestière, Tcherni
Ossam, Département de Lovech.

Parc national de la Comoé
Chef d'Inspection,
Conservateur du Parc National
de la Comoé, Bouna, Republique
de Côte d'Ivoire; and
Direction des Parcs Nationaux,
Ministere des Eaux et Forets,
BP V178 ABIDJAN.

Parc national des Volcans
 Office Rwandais du Tourisme et
 des Parcs Nationaux, PO Box
 905, Kigali.

Parque Nacional Fray Jorge
 Guido Soto, Corporacion
 Nacional Forestal, IV-Region,
 Lincoyan 300, Los Vilos.

Parque Nacional Juan Fernandez
 Ricardo Meza, Corporacion
 Nacional Forestal, V Region, 3
 Norte 541, Vina del Mar.

Parque Nacional Lauca
 Direccion Regional,
 Corporacion Nacional Forestal,
 Maipu 333, Casilla 1484 ARICA.

Parque Nacional Pilon-Lagas
 Professor Gaston Bejarano,
 Departamento Vida Silvestre,
 Parques Nacionales, Caza y
 Pesca, Ministerio de
 Agricultura, Casilla Correo
 936, La Paz

Parque Natural del Montseny
 Diputacion Provincial de
 Barcelona, Servicio de Parques
 Naturales y Medio Ambiente, C.
 Urgel 187, Barcelona - 15
 Paul do Boquilobo

Pietrosu Mare Nature Reserve

Pilis Biosphere Reserve
 Directorate of State
 Parkforestry Pilis, Matyas
 Kiraly ut 4, H-2025 Viesgrad

Prince Regent River NR
 Western Australian Wildlife
 Authority, 108 Adelaide
 Terrace, Perth, W.A. 6000.

Priokosko-Terrasny Reserve
 p/o Danki, Serpukhov District,
 Moscow Region, RSFSR, 142274,
 USSR.

Puerto Galera Biosphere Reserve
 c/o MAB Inter-agency Committee
 on Ecological Studies,
 National Museum, 2nd Floor,
 Department of Tourism
 Building, T.M. Kalaw St.
 Ermita, Manila

Radom National Park

Repetek Reserve
 p/o Repetek, Chardzhou Region,
 Turkmen SSR, 746060 USSR.

Reserva Biologica de Ulla Ulla
 Prof. Gaston Berjarano,
 Departamento de Vida Silvestre,
 Parques Nacionales, Caza y
 pesca, Casilla Correo 936, La
 Paz

RN de VS "Laguna Blanca"
 Direccion de Ganaderia,
 Chacabuco 334, 4700 San
 Fernando del Valle de
 Catamarca.

Reserva de Grazalema
 Jefatura Provincial del ICONA,
 Avda. de Ana de Viya no. 3,
 Cadiz.

Reserva de Huascarán
 ORDENOR-CENTRO, Direccion
 Regional Agricultura y
 Alimentacion, Proyecto Parque
 Nacional Huascarán, Av. Las
 Américas s/No - Teléfono 2128
 7 2102 - Huaraz.

Reserva de Mapimi
 Instituto de Ecologia.
 Apartado postal 18-845, Mexico
 18, D.F.

Reserva de Ordesa-Vinamala
 ICONA, General de las Heras, 8
 Hueśca.

Reserva de "Araucarias"
 Santiago Gomez L., Corporacion
 Nacional Forestal, IX Region,
 Temuco

Reserva de "San Guillermo"
 Secretaria de Agricultura y
 Ganaderia de San Juan, the
 Subsecretaria de Recursos
 Naturales Renovables y
 Ecologia Nacional; and
 Subsecretaria y Direccion de
 Ordenamiento Ambiental
 Nacional.

Reserva de la Biosfera de Donana

Reserva de la Amistad
 Servicio de Parques Nacionales
 de Costa Rica, Barrio
 Aranjuez, Costado Norte
 Hospital Calderon Guardia,
 Apartado 10094, San José.

Reserva de la Mancha Humeda

R de las Marismas del Odiel
 Direccion General de Medio
 Ambiente, Junta de Andalucia,
 Pza. de America, Pabellon
 Real, Sevilla

R del Canal y los Tiles
 ICONA, La Marina 35 - 7a,
 Santa Cruz de Tenerife

Reserva de la Michilia
 Instituto de Ecologia,
 Apartado Postal 18-845, Mexico
 18, D.F.

Reserva del Manu
 ORDEMAD, Parque Nacional Manu,
 Huayna Capac 146, Urb.
 Huanhacc, Cuzco

Reserva del Noroeste
 Zona Agraria 1 - Piura,
 Ministerio de Agricultura,
 Piura.

Reserve Alibotouch
 Economie forestière, Gozé
 Deltchev, Département de
 Blagoevgrad.

Reserve Baevi doupki
 Economie forestière et Razlog,
 Bansko, Département de
 Blagoevgrad

Reserve Bistrichko Branichte
 Economie forestière, Conseil
 populaire municipal de Sofia,
 Secteur parcs et terrains
 verts, Sofia

Reserve Boatine
 Economie forestière, Tcheni
 Vit, Département de Lovech

Reserve Djendema
 Economie forestière, Karlovo,
 Département de Plovdiv

Reserve Doupkata
 Economie forestière, Snejanka,
 Département de Pazardjik

R du Bassin de la Riviere Tara
 Montenegro Socialist Republic,
 Institute for the Protection
 of nature, PO Box 2, Titograd
 81001.

Reserve Floristique de Yangambi
 Direction Générale de
 l'Institut National pour
 l'Etude et la Recherche
 Agronomique (INERA), BP 1513,
 Kisangani.

Reserve Kamtchia
 - Economie forestière, Staro
 oryakhovo, Département de
 Varna.

Reserve Koupna
 Economie forestière, Péchtéra,
 Département de Pazardjik.

Reserve Mantaritzza
 Economie forestière, Rakitovo,
 Département de Pazardjik.

Reserve Maritchini ezera
 Economie forestière, Borovets,
 Département de Sofia.

Reserve Nationale de Camargue
 M. le Directeur de la Réserve
 de Camargue, 1 rue Stendhal,
 13200 Arles.

Reserve Ouzounbodjak
 Economie forestière, kosti,
 Département de Bourgas.

Reserve Parangalitza
 Economie forestière,
 Blagoevgrad.

Reserve Srebarna
 Committee for the
 Environmental Protection,
 Council of Ministers of P.R.
 of Bulgaria; and
 Research and Coordination
 Centre for the Protection and
 Restoration of the
 Environment, B.A.S.

Reserve Tchervenata stena
 Economie forestière,
 Assenovgrad, Département de
 Plovdiv

Reserve Tchouprene
 Economie forestière,
 Tchoupréné, Département de
 Vidine

Reserve Tsaritchina
 Economie forestière,
 Ribaritzza, Département de
 Lovetch

Reserve des Monts Nimba

Reserve du Massif du Ziama

Reserve du Dja
 Direction des Eaux et Forêts,
 Ministère de l'Agriculture,
 YAOUNDE.

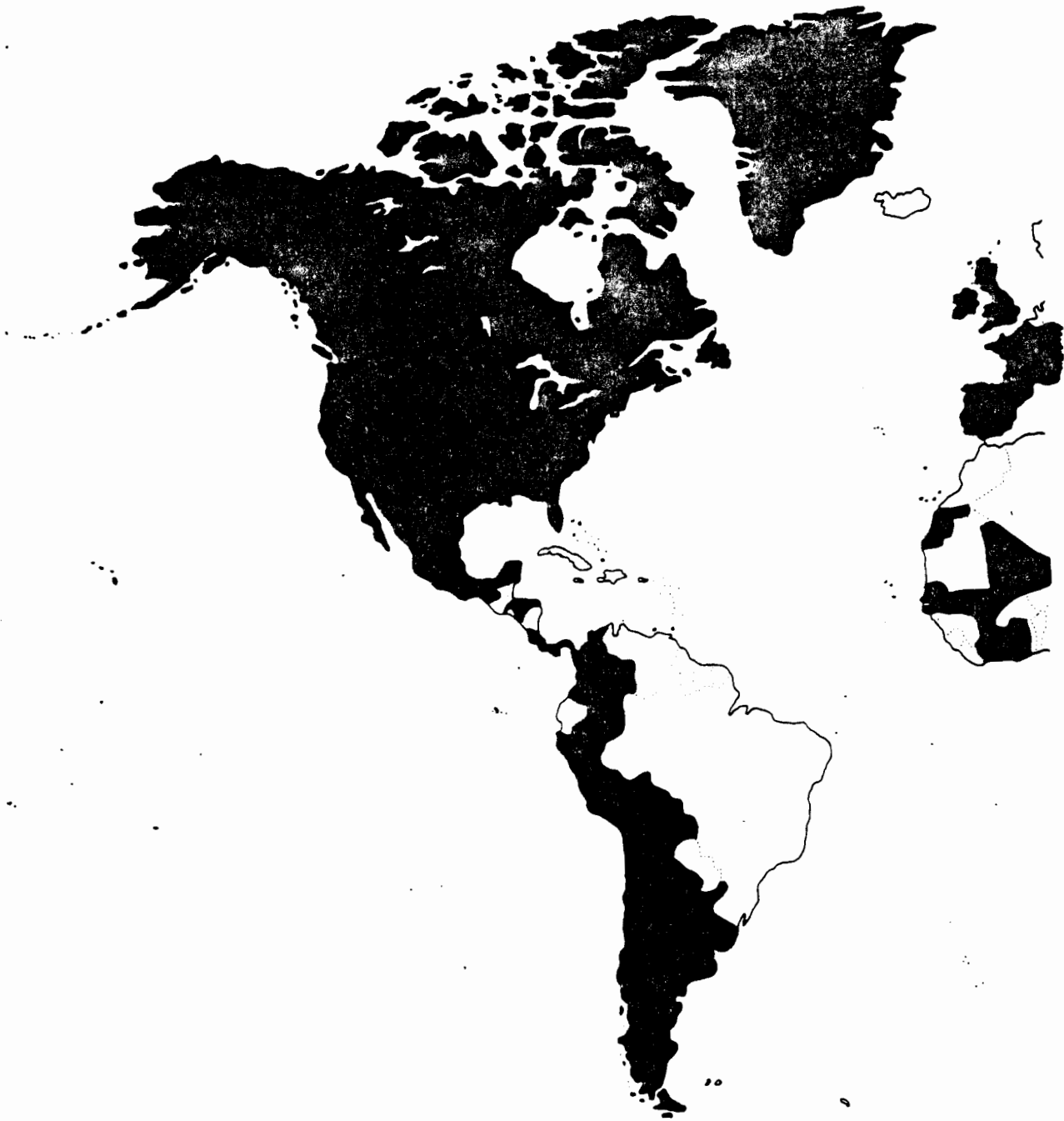
Reserve d'Ipasa-Makokou
 Station de l'Iret, BP 180,
 Makokou.

Retezat National Park

Rio Platano Biosphere Reserve
 Direccion General de Recursos
 Naturales Renovables, RENARE,
 Director General, Tegucigalpa

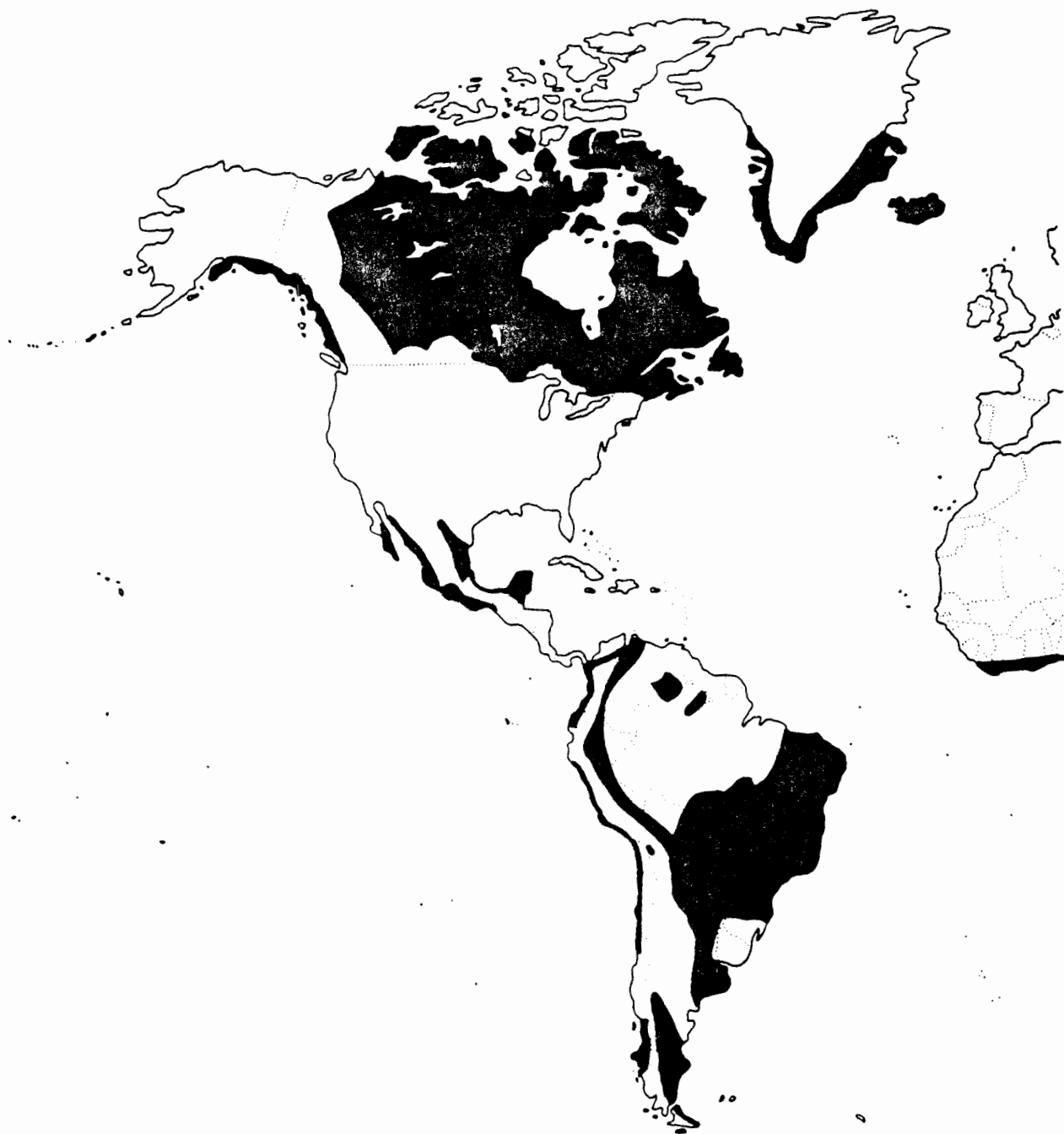
Rocky Mountain National Park Coordinator-Superintendent, Depto. de Vida Silvestre y Recursos Ambientales, DIGERENARE, Barrio Guacerique #1536, Tegucigalpa, Honduras; and Department of Forestry and Environmental Resources, Department for Renewable Natural Resources, Ministry of Natural Resources, TEGUCIGALPA, D.C. Rosca-Letea Reserve	Sierra Nevada de Santa Marta Jefe Parque Nacional Sierra Nevada de Santa Marta, INDERENA, Santa Marta Sikhote-Alin Reserve p/o Termej, Maritime Territory, RSFSR, 692150 Silver Flowe-Merrick Kells The Regional Officer, NCC, Scotland (South-west Region), The Castle, Loch Lomond park, Balloch, Dunbartonshire. Sinharaja Forest Reserve Divisional Forest Officer, Western Division R'pura. Slovak Karst Reserve Slovak Inst. for the Care of Monuments and Nature Conservation of the Protected Region of Slovak Karst, Slovak Karst, 049 21 Betliar; and Scientific Research Centre, Department of Geobotanics, Natural Science Faculty, Comenius University, 800 00 Bratislava, Moskovska 2/a Slowinski National Park Slowinsky Park Narodowy, 76-124 Smoldzino, Poland. South Atlantic Coastal Plain BR Congaree Swamp National Monument, PO Box 11938, Columbia, SC 29211 Pinelands Commission, State of New Jersey, PO Box 7, New Lisbon, New Jersey 08064 Southwest National Park Senior Ranger, Mount Field National Park, Tasmania 7465 St Kilda National Nature Reserve Regional Officer NCC, (West Scotland), Fraser Darling House, 9 Culduthel Road, Aberdeen. Stanislaus-Tuolumne Project Leader, Pacific Southwest Forest & Range Experimental Station, 1615 Continental Street, Redding, California 96001 Steckby-Loedderitz Forest Tanjung Puting Nature Park Ir. Widayat Edy Pranoto, Section Head (Kepala Seksi), Jl. Jend. Sutoyo Miharjo, Palangkaraya, Central Kalimantan.
Ruwenzori National Park Uganda National Parks, PO Box 3530, Kampala, Uganda. Sakaerat c/o The Research Director, Environmental and Ecological Research Institute, The Applied Scientific Research Corporation of Thailand, 196 Phaholyothin Road, Bangkok 9 San Dimas Experimental Forest Project Leader, San Dimas Experimental Forest, 110 N Wabash Ave, Glendora, CA 91740 San Joaquin Experimental Range Supt., Pacific Southwest Forest & Range Experiment Station, 1130 "o" St., Rm 2003, Fresno, CA 93721 Sary-Chelek Reserve p/o Arkit, Dzhangidzhol' District, Osh Region, Kirghiz SSR, 715705 USSR. Sequoia-Kings Canyon NP Superintendent, Sequoia and Kings Canyon National Parks, Three Rivers, California 93271. Serengeti/Ngorongoro Tanzania National Parks, P.O. Box 3134, ARUSHA Shiga Highland Manza Ranger office, Joshin'etsu Kogen National Park, Manza, Tsumagoi-mura, Agatsuma-gun, Gunma Prefecture, 377-15 Siberut Nature Reserve Saleh Sanusi, Section Officer (Kepala Seksi), Jl. Prof. H.M. Yamin S.H. 7 A, Bukittinggi, Sumatra Barat.	

Taynish NNR	Uluru (Ayers Rock-Mount Olga)
Regional Officer, NCC,	Senior Ranger, Private Mail
Scotland (South West Region),	Bag 17, Via Alice Springs, NT
The Castle, Loch Lomond Park,	5750.
Balloch, Dunbartonshire G83 8LX	Vallee de la Lufira
The U of Michigan Biol. Stn.	Vessertal Nature Reserve
The University of Michigan	Virgin Islands National Park
Biological Station, Pellston,	Superintendent, Virgin Islands
MI 49679, U.S.A.	National Park, PO Box 806,
The Unnamed Conservation Park	Charlotte Amalie, St Thomas,
NPWS Northern Regional Office,	Virgin Islands 00801
Port Augusta; and	Waterton Lakes National Park
Ranger-in-Charge, Streaky Bay,	Supt., Waterton Lake National
South Australia.	Park, Parks Canada, Waterton
The Velebit Mountain	Park, Alberta
National Park Paklenica, Zadar.	Wilson's Promontory NP
The Virginia Coast Reserve	District Superintendent,
The Reserve Manager, The	National Parks Service, Park
Virginia Coast Reserve,	Entrance Station, Yanakie via
Brownsville, Nasswasox,	Foster, Victoria, 3960.
Virginia 23413.	Wolung Nature Reserve
Three Sisters Wilderness	Yakushima Island
Forest Supervisor, Willamette	Yakushima Island Ranger
National Forest, 211 E. 7th	Office, Kirishima-Yaku
Avenue, Eugene, Oregon 97401	National Park, 2384-10 Anbo,
Torres del Paine National Park	Yakushima, Kumage-gun,
Corporacion Nacional Forestal	Kagoshima Prefecture, 891-43
(CONAF), XII Region	Japan.
(Magallanes and Antarctica	Yathong Nature Reserve
Chilena), Area de Ultima	District Ranger, National
Esperanza, Casilla 41, Puerto	parks and Wildlife Service,
Natales	Griffith, N.S.W.
Touran Protected Area	Yellowstone National Park
Department of the Environment,	Supt., National Park Service,
PO Box 1430, Tehran	PO Box 168, Yellowstone
Trebon Basin Reserve	National Park, Wyoming 82191.
Centre for Monument and Nature	
Conservancy, Ceske Budejovice,	
Zizkovo Square, CSSR.	
Department of Botany, Czech	
Academy of Sciences, Dukelska	
Str., Trebon, CSSR.	



Countries with biosphere reserves





■ Biogeographic provinces
without biosphere reserves

