

# HARMFUL INDUSTRIAL ACTIVITIES

## WWF DEFINES HARMFUL INDUSTRIAL ACTIVITIES AS:

Operations that cause major disturbances or changes to the character of marine or terrestrial environments. Such activities are of concern due to their potential to involve large impacts on the attributes of *outstanding universal value* and other natural, economic and cultural values. The impacts of these activities are often long-term or permanent. They can also be of concern due to their impacts on the sustainability of local livelihoods, and/or because they put at risk the health, safety or well-being of communities. Harmful industrial activities are often, but not exclusively, conducted by multinational enterprises and their subsidiaries.

Extractive operations, such as mining, quarrying, and oil and gas exploitation, and their related infrastructure, are currently recognized as one class of activity that is covered by this definition. Other activities are also to be considered, including dams, commercial ports, linear infrastructure (e.g. pipelines, roads and railroads), industrial farming and forestry, and other types of over-exploitation.

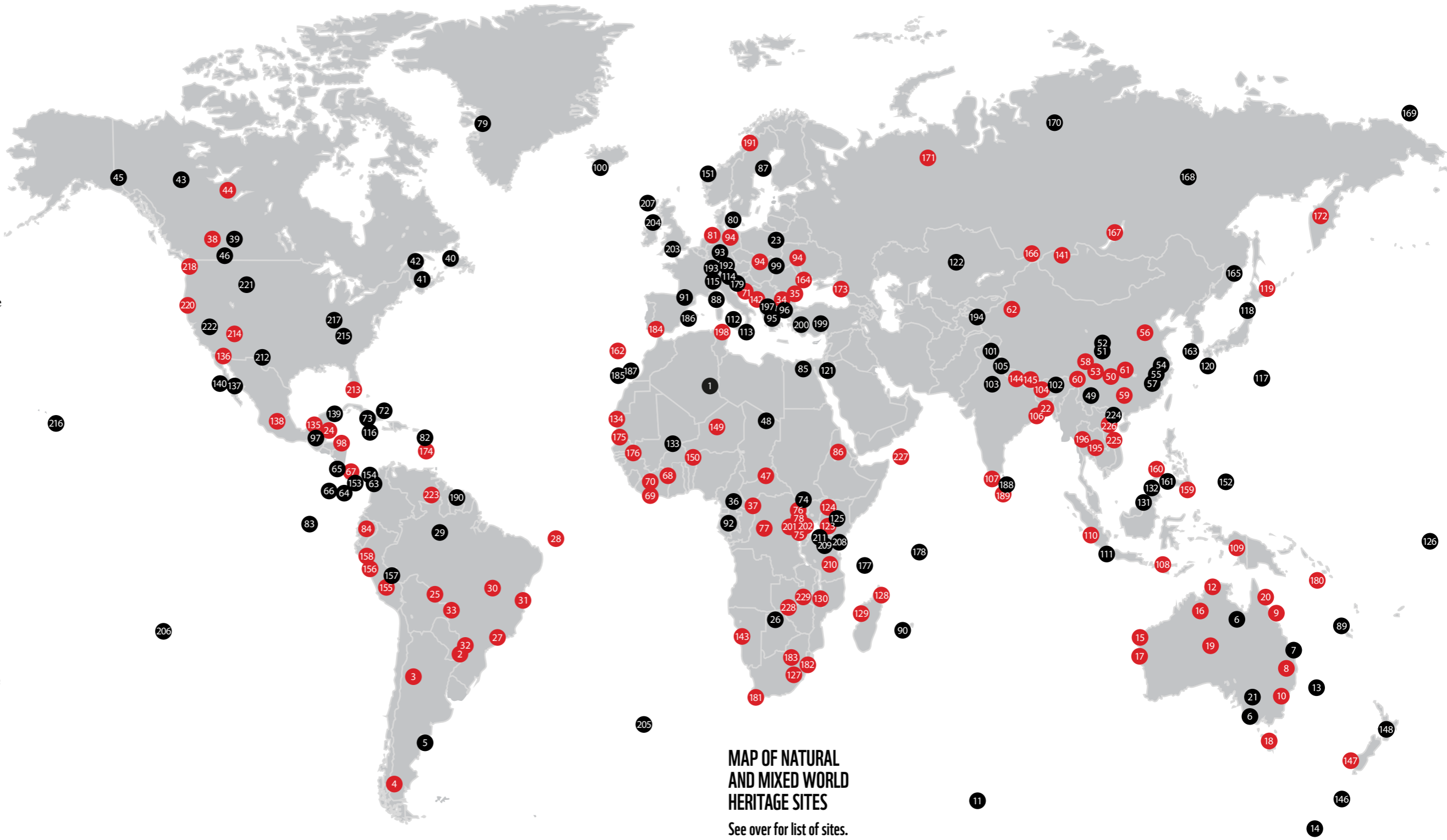


Table 2: List of natural and mixed World Heritage sites			Natural World Heritage sites threatened by harmful industrial activities (●)	Other Natural World Heritage sites (●)
No	Site	Country		
Sites marked * are currently on the List of World Heritage in Danger. (M) indicates mixed (natural/cultural) World Heritage sites				
1	Tassili n'Ajjer	Algeria		●
2	Iguazu National Park	Argentina	●	
3	Ischigualasto / Talampaya Natural Parks	Argentina	●	
4	Los Glaciares National Park	Argentina	●	
5	Península Valdés	Argentina		●
6	Australian Fossil Mammal Sites (Riversleigh / Naracoorte)	Australia		●
7	Fraser Island	Australia		●
8	Gondwana Rainforests of Australia	Australia	●	
9	Great Barrier Reef	Australia	●	
10	Greater Blue Mountains Area	Australia	●	
11	Heard and McDonald Islands	Australia		●
12	Kakadu National Park (M)	Australia	●	
13	Lord Howe Island Group	Australia		●
14	Macquarie Island	Australia		●
15	Ningaloo Coast	Australia	●	
16	Purnululu National Park	Australia	●	
17	Shark Bay, Western Australia	Australia	●	
18	Tasmanian Wilderness (M)	Australia	●	
19	Uluru-Kata Tjuta National Park (M)	Australia	●	
20	Wet Tropics of Queensland	Australia	●	
21	Willandra Lakes Region (M)	Australia		●
22	The Sundarbans	Bangladesh	●	
23	Białowieża Forest	Belarus, Poland		●
24	Belize Barrier Reef Reserve System *	Belize	●	
25	Noel Kempff Mercado National Park	Bolivia	●	
26	Okavango Delta	Botswana		●
27	Atlantic Forest South-East Reserves	Brazil	●	
28	Brazilian Atlantic Islands: Fernando de Noronha and Atol das Rocas Reserves	Brazil	●	
29	Central Amazon Conservation Complex	Brazil		●
30	Cerrado Protected Areas: Chapada dos Veadeiros and Emas National Parks	Brazil	●	
31	Discovery Coast Atlantic Forest Reserves	Brazil	●	
32	Iguaçu National Park	Brazil	●	
33	Pantanal Conservation Area	Brazil	●	
34	Pirin National Park	Bulgaria	●	
35	Srebarna Nature Reserve	Bulgaria	●	
36	Dja Faunal Reserve	Cameroon		●
37	Sangha Trinational	Cameroon, Central African Republic, Congo	●	
38	Canadian Rocky Mountain Parks	Canada	●	
39	Dinosaur Provincial Park	Canada		●
40	Gros Morne National Park	Canada		●
41	Joggins Fossil Cliffs	Canada		●
42	Miguasha National Park	Canada		●
43	Nahanni National Park	Canada		●
44	Wood Buffalo National Park	Canada	●	
45	Kluane / Wrangell-St. Elias / Glacier Bay / Tatshenshini-Elsek	Canada, United States of America		●
46	Waterton Glacier International Peace Park	Canada, United States of America		●
47	Manovo-Gounda St Floris National Park *	Central African Republic	●	
48	Lakes of Ounianga	Chad		●
49	Chengjiang Fossil Site	China		●
50	China Danxia	China	●	
51	Huanglong Scenic and Historic Interest Area	China		●
52	Jiuzhaigou Valley Scenic and Historic Interest Area	China		●
53	Mount Emei Scenic Area, including Leshan Giant Buddha Scenic Area (M)	China	●	
54	Mount Huangshan (M)	China		●
55	Mount Sanqingshan National Park	China		●
56	Mount Taishan (M)	China	●	
57	Mount Wuyi (M)	China		●

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No	Site	Country		
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58	Sichuan Giant Panda Sanctuaries - Wolong, Mt Siguniang and Jiayin Mountains	China	●	
59	South China Karst	China	●	
60	Three Parallel Rivers of Yunnan Protected Areas	China	●	
61	Wulingyuan Scenic and Historic Interest Area	China	●	
62	Xinjiang Tianshan	China	●	
63	Los Katíos National Park	Colombia		●
64	Malpelo Fauna and Flora Sanctuary	Colombia		●
65	Area de Conservación Guanacaste	Costa Rica		●
66	Cocos Island National Park	Costa Rica		●
67	Talamanca Range-La Amistad Reserves / La Amistad National Park	Costa Rica, Panama	●	
68	Comoé National Park *	Côte d'Ivoire	●	
69	Tai National Park	Côte d'Ivoire	●	
70	Mount Nimba Strict Nature Reserve *	Côte d'Ivoire, Guinea	●	
71	Plitvice Lakes National Park	Croatia	●	
72	Alejandro de Humboldt National Park	Cuba		●
73	Desembarco del Granma National Park	Cuba		●
74	Garamba National Park *	Democratic Republic of the Congo		●
75	Kahuzi-Biega National Park *	Democratic Republic of the Congo	●	
76	Okapi Wildlife Reserve *	Democratic Republic of the Congo	●	
77	Salonga National Park *	Democratic Republic of the Congo	●	
78	Virunga National Park *	Democratic Republic of the Congo	●	
79	Ilulissat Icefjord	Denmark		●
80	Stevns Klint	Denmark		●
81	Wadden Sea	Denmark, Germany, Netherlands	●	
82	Morne Trois Pitons National Park	Dominica		●
83	Galápagos Islands	Ecuador		●
84	Sangay National Park	Ecuador	●	
85	Wadi Al-Hitan (Whale Valley)	Egypt		●
86	Simien National Park *	Ethiopia	●	
87	High Coast / Kvarken Archipelago	Finland, Sweden		●
88	Gulf of Porto: Calanche of Piana, Gulf of Girolata, Scandola Reserve	France		●
89	Lagoons of New Caledonia: Reef Diversity and Associated Ecosystems	France		●
90	Pitons, cirques and remparts of Reunion Island	France		●
91	Pyrénées – Mont Perdu (M)	France, Spain		●
92	Ecosystem and Relict Cultural Landscape of Lopé-Okanda (M)	Gabon		●
93	Messel Pit Fossil Site	Germany		●
94	Primeval Beech Forests of the Carpathians and the Ancient Beech Forests of Germany	Germany, Slovakia, Ukraine	●	
95	Meteora (M)	Greece		●
96	Mount Athos (M)	Greece		●
97	Tikal National Park (M)	Guatemala		●
98	Río Plátano Biosphere Reserve *	Honduras	●	
99	Caves of Aggtelek Karst and Slovak Karst	Hungary, Slovakia		●
100	Surtsey	Iceland		●
101	Great Himalayan National Park Conservation Area	India		●
102	Kaziranga National Park	India		●
103	Keoladeo National Park	India		●
104	Manas Wildlife Sanctuary	India	●	
105	Nanda Devi and Valley of Flowers National Parks	India		●
106	Sundarbans National Park	India	●	
107	Western Ghats	India	●	
108	Komodo National Park	Indonesia	●	
109	Lorentz National Park	Indonesia	●	
110	Tropical Rainforest Heritage of Sumatra *	Indonesia	●	
111	Ujung Kulon National Park	Indonesia		●
112	Isole Eolie (Aeolian Islands)	Italy		●
113	Mount Etna	Italy		●
114	The Dolomites	Italy		●

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No	Site	Country		
115	Monte San Giorgio	Italy, Switzerland		●
116	Blue and John Crow Mountains (M)	Jamaica		●
117	Ogasawara Islands	Japan		●
118	Shirakami-Sanchi	Japan		●
119	Shiretoko	Japan	●	
120	Yakushima	Japan		●
121	Wadi Rum Protected Area (M)	Jordan		●
122	Saryarka – Steppe and Lakes of Northern Kazakhstan	Kazakhstan		●
123	Kenya Lake System in the Great Rift Valley	Kenya	●	
124	Lake Turkana National Parks	Kenya	●	
125	Mount Kenya National Park/Natural Forest	Kenya		●
126	Phoenix Islands Protected Area	Kiribati		●
127	Maloti-Drakensberg Park (M)	Lesotho, South Africa	●	
128	Rainforests of the Atsinanana *	Madagascar	●	
129	Tsingy de Bemaraha Strict Nature Reserve	Madagascar	●	
130	Lake Malawi National Park	Malawi	●	
131	Gunung Mulu National Park	Malaysia		●
132	Kinabalu Park	Malaysia		●
133	Cliff of Bandiagara (Land of the Dogons) (M)	Mali		●
134	Banc d'Arguin National Park	Mauritania	●	
135	Ancient Maya City and Protected Tropical Forests of Calakmul, Campeche (M)	Mexico	●	
136	El Pinacate and Gran Desierto de Altar Biosphere Reserve	Mexico	●	
137	Islands and Protected Areas of the Gulf of California	Mexico		●
138	Monarch Butterfly Biosphere Reserve	Mexico	●	
139	Sian Ka'an	Mexico		●
140	Whale Sanctuary of El Vizcaino	Mexico		●
141	Uvs Nuur Basin	Mongolia, Russian Federation	●	
142	Durmitor National Park	Montenegro	●	
143	Namib Sand Sea	Namibia	●	
144	Chitwan National Park	Nepal	●	
145	Sagarmatha National Park	Nepal	●	
146	New Zealand Sub-Antarctic Islands	New Zealand		●
147	Te Wahipounamu – South West New Zealand	New Zealand	●	
148	Tongariro National Park (M)	New Zealand		●
149	Air and Ténéré Natural Reserves *	Niger	●	
150	W National Park of Niger	Niger	●	
151	West Norwegian Fjords – Geirangerfjord and Nærøyfjord	Norway		●
152	Rock Islands Southern Lagoon (M)	Palau		●
153	Coiba National Park and its Special Zone of Marine Protection	Panama		●
154	Darien National Park	Panama		●
155	Historic Sanctuary of Machu Picchu (M)	Peru	●	
156	Huascarán National Park	Peru	●	
157	Manú National Park	Peru		●
158	Río Abiseo National Park (M)	Peru	●	
159	Mount Hamiguitan Range Wildlife Sanctuary	Philippines	●	
160	Puerto-Princesa Subterranean River National Park	Philippines	●	
161	Tubbataha Reefs Natural Park	Philippines		●
162	Laurisilva of Madeira	Portugal	●	
163	Jeju Volcanic Island and Lava Tubes	Republic of Korea		●
164	Danube Delta	Romania	●	
165	Central Sikhote-Alin	Russian Federation		●
166	Golden Mountains of Altai	Russian Federation	●	
167	Lake Baikal	Russian Federation	●	
168	Lena Pillars Nature Park	Russian Federation		●
169	Natural System of Wrangel Island Reserve	Russian Federation		●
170	Putorana Plateau	Russian Federation		●
171	Virgin Komi Forests	Russian Federation	●	
172	Volcanoes of Kamchatka	Russian Federation	●	

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No	Site	Country		
173	Western Caucasus	Russian Federation	●	
174	Pitons Management Area	Saint Lucia	●	
175	Djoudj National Bird Sanctuary	Senegal	●	
176	Niokolo-Koba National Park *	Senegal	●	
177	Aldabra Atoll	Seychelles		●
178	Vallée de Mai Nature Reserve	Seychelles		●
179	Škocjan Caves	Slovenia		●
180	East Rennell *	Solomon Islands	●	
181	Cape Floral Region Protected Areas	South Africa	●	
182	iSimangaliso Wetland Park	South Africa	●	
183	Vredefort Dome	South Africa	●	
184	Doñana National Park	Spain	●	
185	Garajonay National Park	Spain		●
186	Ibiza, Biodiversity and Culture (M)	Spain		●
187	Teide National Park	Spain		●
188	Central Highlands of Sri Lanka	Sri Lanka		●
189	Sinharaja Forest Reserve	Sri Lanka	●	
190	Central Suriname Nature Reserve	Suriname		●
191	Laponian Area (M)	Sweden	●	
192	Swiss Alps Jungfrau-Aletsch	Switzerland		●
193	Swiss Tectonic Arena Sardona	Switzerland		●
194	Tajik National Park (Mountains of the Pamirs)	Tajikistan		●
195	Dong Phayayen-Khao Yai Forest Complex	Thailand	●	
196	Thungyai-Huai Kha Khaeng Wildlife Sanctuaries	Thailand	●	
197	Natural and Cultural Heritage of the Ohrid region (M)	The Former Yugoslav Republic of Macedonia		●
198	Ichkeul National Park	Tunisia	●	
199	Göreme National Park and the Rock Sites of Cappadocia (M)	Turkey		●
200	Hierapolis-Pamukkale (M)	Turkey		●
201	Bwindi Impenetrable National Park	Uganda	●	
202	Rwenzori Mountains National Park	Uganda	●	
203	Dorset and East Devon Coast	United Kingdom of Great Britain and Northern Ireland		●
204	Giant's Causeway and Causeway Coast	United Kingdom of Great Britain and Northern Ireland		●
205	Gough and Inaccessible Islands	United Kingdom of Great Britain and Northern Ireland		●
206	Henderson Island	United Kingdom of Great Britain and Northern Ireland		●
207	St Kilda (M)	United Kingdom of Great Britain and Northern Ireland		●
208	Kilimanjaro National Park	United Republic of Tanzania		●
209	Ngorongoro Conservation Area (M)	United Republic of Tanzania		●
210	Selous Game Reserve *	United Republic of Tanzania	●	
211	Serengeti National Park	United Republic of Tanzania		●
212	Carlsbad Caverns National Park	United States of America		●
213	Everglades National Park *	United States of America	●	
214	Grand Canyon National Park	United States of America	●	
215	Great Smoky Mountains National Park	United States of America		●
216	Hawaii Volcanoes National Park	United States of America		●
217	Mammoth Cave National Park	United States of America		●
218	Olympic National Park	United States of America	●	
219	Papahānaumokuākea (M)	United States of America	●	
220	Redwood National and State Parks	United States of America	●	
221	Yellowstone National Park	United States of America		●
222	Yosemite National Park	United States of America		●
223	Canaima National Park	Venezuela (Bolivarian Republic of)	●	
224	Ha Long Bay	Viet Nam		●
225	Phong Nha – Ke Bang National Park	Viet Nam	●	
226	Trang An Landscape Complex (M)	Viet Nam	●	
227	Socotra Archipelago	Yemen	●	
228	Mosi-oa-Tunya / Victoria Falls	Zambia, Zimbabwe	●	
229	Mana Pools National Park, Sapi and Chewore Safari Areas	Zimbabwe	●	