

Carbon stock of World Heritage Forest Sites

Pandey, Devendra. 2012. Carbon Stocks of World Heritage Forest Sites. UNESCO World Heritage Centre.					Carbon stock / hectare (metric tonnes)			Total Carbon stock in WH site (x 1000 mt)		
Country	Name of World Heritage Forest Site	WH Site Size (ha)	% Forest cover WH	Estimated Forest WH (ha)	Biomass	Soil	Total	Biomass	Soil	Total
Argentina	Iguazu National Park	55 500	90%	49 950	118	100	218	5 894	4 995	10 889
Australia	Fraser Island	184 000	90%	165 600	166	132	298	27 490	21 859	49 349
Australia	Gondwana Rainforests of Australia	370 000	100%	370 000	166	132	298	61 420	48 840	110 260
Australia	Greater Blue Mountains Area	1 032 649	97%	1 001 669	166	132	298	166 277	132 220	298 497
Australia	Kakadu National Park	1 980 994	50%	990 497	60	50	110	59 430	49 525	108 955
Australia	Tasmanian Wilderness	1 374 000	30%	412 200	166	132	298	68 425	54 410	122 836
Australia	Wet Tropics of Queensland	894 420	90%	804 978	166	132	298	133 626	106 257	239 883
Bangladesh	The Sundarbans	139 699	100%	139 699	56,3	54	110,3	7 865	7 544	15 409
Belarus/ Poland	Belovezhskaya Pushcha/Bialowieza Forest	92 669	100%	92 669	125	75	200	11 584	6 950	18 534
Bolivia	Noel Kempff Mercado NP	1 523 446	80%	1 218 757	84	65	149	102 376	79 219	181 595
Brazil	Atlantic Forest South-East Reserves	468 193	100%	468 193	147	93	240	68 824	43 542	112 366
Brazil	Brazilian Atlantic Islands (Fernando Noronha archipelago and Atoll das Rocas)	42 270	90%	38 043	78,5	93	171,5	2 986	3 538	6 524
Brazil	Central Amazon Conservation Complex	5 232 018	50%	2 616 009	158	100	258	413 329	261 601	674 930
Brazil	Cerrado PAs: Chapada dos Veadeiros and Empas NPs	367 356	60%	220 414	69	133	202	15 209	29 315	44 524
Brazil	Discovery Coast Atlantic Forest Reserves	111 930	95%	106 334	147	93	240	15 631	9 889	25 520
Brazil	Iguacu National Park	170 086	90%	153 077	118	100	218	18 063	15 308	33 371
Brazil	Pantanal Conservation Area	187 818	70%	131 473	81	141	222	10 649	18 538	29 187
Bulgaria	Pirin National Park	40 060	60%	24 036	56	95	151	1 346	2 283	3 629
Cameroon	Dja Faunal Reserve	526 000	90%	473 400	144,4	65	209,4	68 359	30 771	99 130

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Cameroon/ Central African Rep/Rep of Congo	Sangha Trinational	746 309	97%	723 920	163	65	228	117 999	47 055	165 054
Canada	Canadian Rocky Mountain Parks	2 306 884	40%	922 754	109	91	200	100 580	83 971	184 551
Canada	Gros Morne National Park	180 500	60%	108 300	62	38	100	6 715	4 115	10 830
Canada	Nahanni National Park	476 560	80%	381 248	141	79	220	53 756	30 119	83 875
Canada	Wood Buffalo National Park	4 480 000	70%	3 136 000	115	70	185	360 640	219 520	580 160
Canada / USA	Waterton Lakes Glacier International Peace Park	457 614	70%	320 330	99	42	141	31 713	13 454	45 167
China	Huanglong Scenic and Historical Interest Area	60 000	90%	54 000	37,5	50	87,5	2 025	2 700	4 725
China	Jiuzhaigou Valley Scenic and Historic Interest Area	72 000	65%	46 800	37,5	50	87,5	1 755	2 340	4 095
China	Mount Emei Scenic Area, including Leshan Giant Buddha Scenic Area	15 400	52%	8 008	37,5	50	87,5	300	400	701
China	Mount Huangshan	15 400	56%	8 624	47	50	97	405	431	837
China	Mount Sanqingshan National Park	22 950	97%	22 262	47	50	97	1 046	1 113	2 159
China	Mount Taishan	25 000	80%	20 000	37,5	50	87,5	750	1 000	1 750
China	Mount Wuyi	99 975	100%	99 975	47	50	97	4 699	4 999	9 698
China	Sichuan Giant Panda Sanctuaries - Wolong, Mt Siguniang and Jiayin Mountains	924 500	64%	591 680	37,5	50	87,5	22 188	29 584	51 772
China	Three Parallel Rivers of Yunnan Protected Areas	939 441	70%	657 609	37,5	50	87,5	24 660	32 880	57 541
Colombia	Los Katios National Park	72 000	50%	36 000	123	93	216	4 428	3 348	7 776
Costa Rica	Area de Conservación Guanacaste	147 000	100%	147 000	79	60	139	11 613	8 820	20 433

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Costa Rica	Cocos Island National Park	199 790	11%	21 977	105	60	165	2 308	1 319	3 626
Costa Rica/Panama	Talamanca Range-La Amistad Reserves / La Amistad NP	567 845	90%	511 061	113	60	173	57 750	30 664	88 413
Cote d'Ivoire	Comoe National Park	1 149 250	85%	976 863	94	56	150	91 825	54 704	146 529
Cote d'Ivoire	Tai National Park	330 000	30%	99 000	188	56	244	18 612	5 544	24 156
Cote d'Ivoire / Guinea	Mount Nimba Strict Nature Reserve	14 760	80%	11 808	106	56	162	1 252	661	1 913
Croatia	Plitvice Lakes National Park	19 200	70%	13 440	145	50	195	1 949	672	2 621
Cuba	Alejandro de Humboldt National Park	69 341	97%	67 261	87	65	152	5 852	4 372	10 224
Democratic Rep. of Congo	Kahuzi-Biega National Park	600 000	30%	180 000	102	65	167	18 360	11 700	30 060
Democratic Rep. of Congo	Okapi Wildlife Reserve	1 372 625	100%	1 372 625	136	65	201	186 677	89 221	275 898
Democratic Rep. of Congo	Salonga National Park	3 600 000	100%	3 600 000	136	65	201	489 600	234 000	723 600
Democratic Rep. of Congo	Virunga National Park	790 000	65%	513 500	68	65	133	34 918	33 378	68 296
Dominica	Morne Trois Pitons National Park	6 857	100%	6 857	105	93	198	720	638	1 358
Ecuador	Sangay National Park	271 925	70%	190 348	67,5	63	130,5	12 848	11 992	24 840
France	Pitons, cirques and remparts of Reunion Island	105 838	91%	96 313	104	47	151	10 017	4 527	14 543
Gabon	Ecosystem and Relict Cultural Landscape of Lopé-Okanda	491 291	100%	491 291	137,5	65	202,5	67 553	31 934	99 486
Germany / Slovakia / Ukraine	Primeval Beech Forests of the Carpathians and the Ancient Beech Forests of Germany	33 670	87%	29 293	135	77,5	212,5	3 955	2 270	6 225
Guatemala	Tikal National Park	57 600	20%	11 520	85	65	150	979	749	1 728
Honduras	Rio Platano Biosphere Reserve	500 000	77%	385 000	88	65	153	33 880	25 025	58 905

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India	Manas Wildlife Sanctuary	39 100	64%	25 024	19	37,5	56,5	475	938	1 414
India	Nanda Devi and Valley of Flowers Natio	71 783	20%	14 357	60	61,5	121,5	861	883	1 744
India	Sundarbans National Park	133 010	65%	86 457	56,3	54	110,3	4 868	4 669	9 536
India	Western Ghats	795 315	100%	795 315	59	76	135	46 924	60 444	107 368
Indonesia	Lorentz National Park	2 350 000	52%	1 222 000	100	86	186	122 200	105 092	227 292
Indonesia	Tropical Rainforest Heritage of Sumatra	2 595 125	56%	1 453 270	152	86	238	220 897	124 981	345 878
Indonesia	Ujung Kulon National Park	76 119	79,9%	60 819	115	86	201	6 994	5 230	12 225
Japan	Ogasawara Islands	7 939	70%	5 557	84	65	149	467	361	828
Japan	Shirakami-Sanchi	16 939	82%	13 890	84	50	134	1 167	694	1 861
Japan	Shiretoko	71 100	93%	66 123	67	50	117	4 430	3 306	7 736
Japan	Yakushima (Yaku - island)	10 747	80%	8 598	84	65	149	722	559	1 281
Kenya	Mount Kenya National Park/Natural Forest	142 020	80%	113 616	147	65	212	16 702	7 385	24 087
Madagascar	Rainforests of the Atsinanana	479 661	92%	441 288	138	47	185	60 898	20 741	81 638
Madagascar	Tsingy de Bemaraha Strict Nature Reserve	152 000	50%	76 000	69	47	116	5 244	3 572	8 816
Malaysia	Gunung Mulu National Park	52 864	100%	52 864	167	65	232	8 828	3 436	12 264
Malaysia	Kinabalu Park	75 370	70%	52 759	167	65	232	8 811	3 429	12 240
Mexico	Monarch Butterfly Biosphere Reserve	13 552	87%	11 790	52,8	67	119,8	623	790	1 412
Mexico	Sian Ka'an	528 000	70%	369 600	35,2	67	102,2	13 010	24 763	37 773
Montenegro	Durmitor National Park	32 100	80%	25 680	73,1	50	123,1	1 877	1 284	3 161
Nepal	Chitwan National Park	93 200	70%	65 240	140,7	65	205,7	9 179	4 241	13 420
New Zealand	Te Wahipounamu – South West New Zealand	2 600 000	95%	2 470 000	253	65	318	624 910	160 550	785 460
New Zealand	Tongariro National Park	79 596	40%	31 838	208	65	273	6 622	2 069	8 692

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Panama	Coiba National Park and its special Zone of Marine Protection	270 125	20%	54 025	121	60	181	6 537	3 242	9 779
Panama	Darien National Park	597 000	12%	71 640	121	60	181	8 668	4 298	12 967
Peru	Historic Sanctuary of Machu Picchu	32 592	80%	26 074	67,2	63	130,2	1 752	1 643	3 395
Peru	Manu National Park	1 716 295	100%	1 716 295	134,4	60	194,4	230 670	102 978	333 648
Peru	Rio Abiseo National Park	274 520	90%	247 068	67,2	63	130,2	16 603	15 565	32 168
Philippines	Puerto-Princesa Subterranean River National Park	5 753	50%	2 877	163	65	228	469	187	656
Portugal	Laurisilva of Madeira	15 000	67%	10 050	74	38	112	744	382	1 126
Russian Federation	Central Sikhote-Alin	1 553 928	100%	1 553 928	102,5	90,1	192,6	159 278	140 009	299 287
Russian Federation	Lake Baikal	8 800 000	40%	3 520 000	67,6	129,8	197,4	237 952	456 896	694 848
Russian Federation	Putorana Plateau	1 887 251	30%	566 175	24,3	97,4	121,7	13 758	55 145	68 904
Russian Federation	Virgin Komi Forests	3 280 000	92%	3 017 600	65,9	104,5	170,4	198 860	315 339	514 199
Senegal	Niokolo-Koba National Park	913 000	40%	365 200	43,7	38	81,7	15 959	13 878	29 837
Seychelles	Vallée de Mai Nature Reserve	18	100%	18	96	39	135	2	1	2
Solomon Islands	East Rennell	37 000	25%	9 250	99	47	146	916	435	1 351
South Africa	iSimangaliso Wetland Park	239 566	90%	215 609	75,3	63	138,3	16 235	13 583	29 819
Spain	Garajonay National Park	3 984	99%	3 944	99	38	137	390	150	540
Sri Lanka	Central Highlands of Sri Lanka	56 844	90%	51 160	46	63	109	2 353	3 223	5 576
Sri Lanka	Sinharaja Forest Reserve	8 864	60%	5 318	74	60	134	394	319	713
Suriname	Central Suriname Nature Reserve	1 600 000	100%	1 600 000	227	47	274	363 200	75 200	438 400

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Thailand	Dong Phrayayen-Khao Yai Forest Complex	615 500	100%	615 500	69	60	129	42 470	36 930	79 400
Thailand	Thungyai-Huai Kha Khaeng Wildlife Sanctuaries	622 200	90%	559 980	51	60	111	28 559	33 599	62 158
Uganda	Bwindi Impenetrable National Park	32 092	95%	30 487	61	65	126	1 860	1 982	3 841
Uganda	Rwenzori Mountains National Park	99 600	60%	59 760	51	65	116	3 048	3 884	6 932
United Rep. of Tanzania	Selous Game Reserve	5 000 000	80%	4 000 000	65,5	47	112,5	262 000	188 000	450 000
USA	Great Smoky Mountains National Park	209 000	100%	209 000	137	58	195	28 633	12 122	40 755
USA	Olympic National Park	369 660	100%	369 660	419	96	515	154 888	35 487	190 375
USA	Redwood National and State Parks	56 883	70%	39 818	573	52	625	22 816	2 071	24 886
USA	Yellowstone National Park	898 349	80%	718 679	79	30	109	56 776	21 560	78 336
USA	Yosemite National Park	308 283	85%	262 041	185	44	229	48 478	11 530	60 007
Venezuela	Canaima National Park	3 000 000	70%	2 100 000	92	63	155	193 200	132 300	325 500
Total		78 933 480		54 802 901				6 327 283	4 177 178	10 504 461