

Table 1b: Numbers of threatened species by major groups of organisms (1996–2022)

Changes in number of threatened species from year to year **should not** be directly interpreted as trends in the status of biodiversity. The figures displayed below reflect increased assessment efforts by IUCN and its Partners over time, rather than genuine changes in numbers of threatened species. For a clearer view of genuine trends in the status of biodiversity please refer to the IUCN Red List Index page on the Red List website (<https://www.iucnredlist.org/assessment/red-list-index>).

Year ²	Changes in numbers of species assessed and species assessed as threatened ¹ on the IUCN Red List since 1996																											
	VERTEBRATES						INVERTEBRATES									PLANTS ⁴						FUNGI & PROTISTS				TOTAL		
	Mammals	Birds	Reptiles	Amphibians	Fishes	Subtotal (Vertebrates)	Insects	Molluscs	Crustaceans	Corals	Arachnids	Velvet worms	Horseshoe crabs	Other invertebrates	Subtotal (Invertebrates)	Mosses	Ferns & allies	Gymnosperms	Flowering plants	Green algae	Red algae	Subtotal (Plants)	Lichens	Mushrooms	Brown algae		Subtotal (Fungi & protists)	
2022 (version 2022-2)	Total assessed	5,973	11,188	10,222	7,486	25,351	60,220	12,441	9,032	3,197	831	441	11	4	905	26,862	329	747	1,046	60,470	16	58	62,666	86	539		15	640
	Total threatened	1,340	1,400	1,842	2,606	3,551	10,739	2,345	2,399	745	253	251	9	2	157	6,161	181	288	436	24,000	0	9	24,914	62	226	6	294	42,108
2021 (version 2021-3)	Total assessed	5,968	11,162	10,148	7,296	22,581	57,155	12,100	9,019	3,189	848	441	11	4	902	26,514	282	739	1,016	56,232	16	58	58,343	76	474	15	565	142,577
	Total threatened	1,333	1,445	1,839	2,488	3,332	10,437	2,270	2,385	743	232	251	9	2	150	6,042	165	281	403	22,477	0	9	23,335	56	208	6	270	40,084
2020 (version 2020-3)	Total assessed	5,940	11,158	8,492	7,212	22,005	54,807	10,865	8,847	3,188	864	358	11	4	842	24,219	282	674	1,016	48,323	16	58	50,369	55	353	15	423	128,918
	Total threatened	1,323	1,481	1,458	2,442	3,210	9,914	1,926	2,300	742	237	203	9	2	148	5,489	165	265	403	19,518	0	9	20,360	48	185	6	239	35,765
2019 (version 2019-3)	Total assessed	5,850	11,147	7,829	6,794	19,199	50,819	8,696	8,749	3,181	864	344	11	4	839	22,688	281	641	1,014	36,623	13	58	38,630	27	253	15	295	112,432
	Total threatened	1,244	1,486	1,409	2,200	2,674	9,013	1,647	2,250	733	237	197	9	2	146	5,221	164	261	402	14,938	0	9	15,774	24	140	6	170	30,178
2018 (version 2018-2)	Total assessed	5,692	11,126	7,127	6,722	16,803	47,470	8,037	8,627	3,180	864	324	11	4	839	21,886	102	558	1,012	25,771	13	58	27,514	23	43	15	81	96,951
	Total threatened	1,219	1,492	1,307	2,092	2,332	8,442	1,537	2,195	733	237	182	9	1	146	5,040	76	249	401	12,564	0	9	13,299	20	33	6	59	26,840
2017 (version 2017-3)	Total assessed	5,674	11,122	6,278	6,609	16,409	46,092	7,639	8,413	3,177	864	249	11	4	773	21,130	102	479	1,012	22,566	13	58	24,230	13	43	15	71	91,523
	Total threatened	1,204	1,469	1,215	2,100	2,386	8,374	1,414	2,187	732	237	170	9	1	143	4,893	76	246	401	11,773	0	9	12,505	10	33	6	49	25,821
2016 (version 2016-3)	Total assessed	5,567	11,121	5,338	6,534	16,134	44,694	6,587	7,276	3,177	862	212	11	4	480	18,609	102	417	1,011	20,652	13	58	22,253	8	25	15	48	85,604
	Total threatened	1,194	1,460	1,079	2,068	2,359	8,160	1,268	1,984	732	237	166	9	1	73	4,470	76	217	400	10,941	0	9	11,643	7	21	6	34	24,307
2015 (version 2015-4)	Total assessed	5,502	10,424	4,669	6,460	14,462	41,517	5,573	7,216	3,168	862	210	11	4	472	17,516	102	365	1,011	19,206	13	58	20,755	9	25	15	49	79,837
	Total threatened	1,197	1,375	944	1,994	2,271	7,781	1,046	1,950	728	237	164	9	0	67	4,201	76	197	400	10,551	0	9	11,233	7	22	6	35	23,250
2014 (version 2014-3)	Total assessed	5,513	10,425	4,414	6,414	12,457	39,223	5,304	7,217	3,164	856	209	11	4	453	17,218	102	360	1,010	18,195	13	58	19,738	4	1	15	20	76,199
	Total threatened	1,199	1,373	927	1,957	2,222	7,678	993	1,950	725	235	163	9	0	65	4,140	76	194	400	9,905	0	9	10,584	4	1	6	11	22,413
2013 (version 2013-2)	Total assessed	5,506	10,065	4,204	6,409	11,172	37,356	4,610	6,809	3,163	856	35	11	4	423	15,911	102	342	1,010	16,766	13	58	18,291	2	1	15	18	71,576
	Total threatened	1,143	1,308	879	1,950	2,110	7,390	896	1,898	723	235	21	9	0	40	3,822	76	187	399	9,394	0	9	10,065	2	1	6	9	21,286
2012 (version 2012-2)	Total assessed	5,501	10,064	3,755	6,374	10,590	36,284	4,003	6,183	2,399	858	34	11	4	50	13,542	102	311	1,012	14,178	13	58	15,674	2	1	15	18	65,518
	Total threatened	1,139	1,313	807	1,933	2,058	7,250	829	1,857	596	236	20	9	0	23	3,570	76	167	374	8,764	0	9	9,390	2	1	6	9	20,219
2011 (version 2011-2)	Total assessed	5,499	10,052	3,336	6,338	9,554	34,779	3,844	5,422	2,399	856	33	11	4	52	12,621	101	310	1,020	12,994	13	58	14,496	2	1	15	18	61,914
	Total threatened	1,138	1,253	772	1,917	2,028	7,108	741	1,673	596	235	19	9	0	24	3,297	80	163	377	8,527	0	9	9,156	2	1	6	9	19,570
2010 (version 2010-4)	Total assessed	5,491	10,027	2,806	6,296	8,848	33,468	3,269	3,149	2,152	856	33	11	4	52	9,526	101	243	926	11,584	2	58	12,914	2	1	15	18	55,926
	Total threatened	1,131	1,240	594	1,898	1,851	6,714	733	1,288	596	235	19	9	0	24	2,904	80	148	371	8,116	0	9	8,724	2	1	6	9	18,351
2009 (version 2009-2)	Total assessed	5,490	9,998	1,677	6,285	4,443	27,893	2,619	2,306	1,735	856	32	11	4	52	7,615	95	211	909	10,876	2	58	12,151	2	1	15	18	47,677
	Total threatened	1,142	1,223	469	1,895	1,414	6,143	711	1,036	606	235	18	9	0	24	2,639	82	139	322	7,948	0	9	8,500	2	1	6	9	17,291
2008	Total assessed	5,488	9,990	1,385	6,260	3,481	26,604	1,259	2,212	1,735	856	32	11	4	52	6,161	95	211	910	10,779	2	58	12,055	2	1	15	18	44,838
	Total threatened	1,141	1,222	423	1,905	1,275	5,966	626	978	606	235	18	9	0	24	2,496	82	139	323	7,904	0	9	8,457	2	1	6	9	16,928
2007	Total assessed	4,863	9,956	1,385	5,915	3,119	25,238	1,255	2,212	553	13	18	11	4	50	4,116	92	211	909	10,771	2	58	12,043	2	1	15	18	41,415
	Total threatened	1,094	1,217	422	1,808	1,201	5,742	623	978	460	5	10	9	0	23	2,108	79	139	321	7,899	0	9	8,447	2	1	6	9	16,306
2006	Total assessed	4,864	9,934	664	5,918	2,912	24,292	1,192	2,163	537	2	18	11	4	51	3,978	93	212	908	10,688	0	0	11,901	2	1	0	3	40,174
	Total threatened	1,093	1,206	341	1,811	1,171	5,622	623	975	459	1	10	9	0	24	2,101	80	139	306	7,865	0	0	8,390	2	1	0	3	16,116

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	VERTEBRATES						INVERTEBRATES									PLANTS ⁴						FUNGI & PROTISTS				TOTAL		
	Mammals	Birds	Reptiles	Amphibians	Fishes	Subtotal (Vertebrates)	Insects	Molluscs	Crustaceans	Corals	Arachnids	Velvet worms	Horseshoe crabs	Other invertebrates	Subtotal (Invertebrates)	Mosses	Ferns & allies	Gymnosperms	Flowering plants	Green algae	Red algae	Subtotal (Plants)	Lichens	Mushrooms	Brown algae		Subtotal (Fungi & protists)	
2004	Total assessed	4,853	9,917	499	5,743	1,721	22,733	771	2,163	498	2	18	11	4	20	3,487	93	210	907	10,614	0	0	11,824	2	0		0	2
	Total threatened	1,101	1,213	304	1,770	800	5,188	559	974	429	1	10	9	0	10	1,992	80	140	305	7,796	0	0	8,321	2	0	0	2	15,503
2003	Total assessed	4,789	2,139	473	401	1,532	9,334	768	2,098	461	2	18	11	4	20	3,382	93	180	907	8,526	0	0	9,706	2	0	0	2	22,424
	Total threatened	1,130	1,194	293	157	750	3,524	553	967	409	1	10	9	0	10	1,959	80	111	304	6,279	0	0	6,774	2	0	0	2	12,259
2002	Total assessed	2,150	2,138	453	263	1,265	6,269	747	2,018	459	2	18	11	4	19	3,278	83	0	251	6,816	0	0	7,150	0	0	0	0	16,697
	Total threatened	1,137	1,192	293	157	742	3,521	557	939	409	1	10	6	0	10	1,932	80	0	142	5,492	0	0	5,714	0	0	0	0	11,167

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	Mammals	Birds	Reptiles	Amphibians	Fishes	Subtotal (Vertebrates)	Insects	Molluscs	Crustaceans	Corals	Arachnids	Velvet worms	Horseshoe crabs	Other invertebrates	Subtotal (Invertebrates)	Mosses	Ferns & allies	Gymnosperms	Flowering plants	Green algae	Red algae	Subtotal (Plants)	Lichens	Mushrooms	Brown algae		Subtotal (Fungi & protists)	
2000	Total assessed	2,133	2,123	454	231	1,267	6,208	747	2,017	459	2	18	11	4	19	3,277	83	0	251	6,688	0	0	7,022	0	0		0	0
	Total threatened	1,130	1,183	296	146	752	3,507	555	938	408	1	10	6	0	10	1,928	80	0	141	5,390	0	0	5,611	0	0	0	0	11,046
1996/1998 ³	Total assessed	2,067	2,167	428	198	1,194	6,054	730	1,958	458	2	18	11	4	19	3,200	0	0	— ⁵	— ⁵	0	0	— ⁵	0	0	0	0	— ⁵
	Total threatened	1,096	1,107	253	124	734	3,314	537	920	407	1	10	6	0	10	1,891	0	0	142	5,186	0	0	5,328	0	0	0	0	10,533

NOTES:

1. Threatened species are those listed as Critically Endangered (CR), Endangered (EN) or Vulnerable (VU).

2. Prior to the year 2000, The IUCN Red List was published in book form only, with updated versions being released every few years. The IUCN Red List web site was released in 2000, making more regular updates possible. Since then, the Red List has been updated at least once each year, with the exception of 2001 and 2005 when there were no updates published. Since 2009, The IUCN Red List has been updated at least twice each year, with separate version numbers being used for each update; the figures in Table 1b are for the latest versions published each year.

3. The figures for 1996/1998 are for the threatened species assessments that were published in the 1996 IUCN Red List of Threatened Animals (Baillie and Groombridge 1998) and The World List of Threatened Trees (Oldfield et al. 1998).

4. The plant numbers **DO NOT** include species from the 1997 IUCN Red List of Threatened Plants (Walter and Gillett 1998) as those assessments used the pre-1994 IUCN system of threat categories. Hence the numbers of threatened plants in Table 1b are much lower when compared to the 1997 results. When reporting on threatened plants, the results from the current web version of The IUCN Red List should be combined with the 1997 Plants Red List. Since there have been many taxonomic changes for plant species since 1997, careful comparison of the current and 1997 species lists will be needed when combining these results to avoid double-counting.

5. Figures are not available for total number of gymnosperms and flowering plants assessed for the World List of Threatened Trees (Oldfield et al. 1998). Oldfield et al. (1998) included a summary table showing total numbers of species in each IUCN Red List Category (which included some assessments that were not actually included in the final publication), but there is no summary of numbers of species assessed by taxonomic group. The numbers of gymnosperm and flowering plant species assessed as threatened in Oldfield et al. (1998) were obtained through a manual count of species appearing in the publication.

References

Baillie, J.E.M. and Groombridge, B. (compilers). 1996. 1996 IUCN Red List of Threatened Animals. IUCN, Gland, Switzerland.

Oldfield, S., Lusty, C. and MacKinnon, A. (compilers) 1998. The World List of Threatened Trees. World Conservation Monitoring Centre, Cambridge, UK and IUCN, Gland, Switzerland.

Walter, K.S. and Gillett, H.J. (editors). 1998. 1997 IUCN Red List of Threatened Plants. IUCN, Gland, Switzerland and Cambridge, UK.