

Table 5.58-- HAWAII AUDUBON SOCIETY BIRD COUNTS IN THE HONOLULU AREA, BY TYPE OF SPECIES: 2008 TO 2021

[Counts are made in late December of various locations between Hawaii Kai and Aiea, and between Waimanalo and Kaneohe. Annual changes reflect differences in numbers of bird counters and counting time in the field, as well as changes in bird populations. Totals by species are also affected by the types of habitats studied]

Year	Type of species				
	All species	Endemic	Indigenous	Alien	Visitor
2008	40	3	5	22	10
2009	51	5	11	28	7
2010	46	4	8	27	7
2011	60	5	9	33	13
2012	54	5	7	28	14
2013	50	5	9	27	9
2014	56	5	12	28	11
2015	51	5	8	27	11
2016	48	4	9	28	7
2017	50	5	7	30	8
2018	46	5	8	26	7
2019	1/ 55	7	5	36	7
2020	45	7	3	30	5
2021	2/ 52	7	5	25	15

Year	Number of individuals				
	All species	Endemic	Indigenous	Alien	Visitor
2008	4,110	193	553	2,587	777
2009	6,963	149	656	5,102	1,056
2010	5,475	304	808	3,574	789
2011	11,807	512	1,242	8,985	1,068
2012	9,600	403	837	7,458	902
2013	7,847	353	1,138	5,113	1,243
2014	8,528	271	1,733	5,977	547
2015	7,314	302	1,860	4,640	512
2016	10,406	240	2,381	7,260	525
2017	10,583	374	2,161	7,430	618
2018	9,037	437	1,150	6,640	810
2019	10,851	877	1,049	8,060	865
2020	8,568	368	108	7,780	312
2021	11,168	1,016	2,224	7,071	857

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Table 5.58-- HAWAII AUDUBON SOCIETY BIRD COUNTS IN THE HONOLULU AREA, BY TYPE OF SPECIES: 2008 TO 2021 -- Con.

1/ Reported total was 53, but after summing total number of species it was found to be 55 individual species.

2/ Reported total was 51, but after summing total number of species it was found to be 52 individual species.

Source: Audubon's Christmas Bird Count <<http://netapp.audubon.org/CBCObservation/>> accessed June 6, 2022; Robert L. Pyle, *Checklist of the Birds of Hawaii* <<http://www.hawaii.audubon.com/checklist/checklist2002.pdf>> accessed on June 22, 2010; Denis Lepage, *Avibase - Bird Checklists of the World* <<https://avibase.bsc-eoc.org/checklist.jsp?region=ushi&list=howardmoore>> accessed on June 2, 2021; and calculations by the Department of Business, Economic Development & Tourism.