## Table 5.46-- HAWAII AUDUBON SOCIETY BIRD COUNTS OF THE HONOLULU AREA: 1995 TO 1998

[Counts are made in late December, in a circle, 15 miles in diameter, centered near Nuuanu Pali]

All species: Species Species 10	Species	1995	1996	1997	1998
Species Individual birds         43 10,220         46 57 9,781         51 17,005           Endemic species: 1/             'Apapane         105 6 16 9         9 4 9,781         17,836         17,005           Hawaiian Coot 2/ 37 62 58 76 Hawaiian Stilt 2/ 100 155 148 168         168 0ahu 'Amakihi 62 34 38 20         168 0ahu 'Amakihi 10         169 0ahu 'Elepaio         160 13 4 10         100           Indigenous species: 3/ Great Frigatebird Red-footed Booby         60 111 23 44 10         10         111 23 44 10         10           Alien species: 4/ Cattle Egret Common Myna 1,265 1,146 2,136 2,474 1,246         125 1,221         1,221 1,117 408 1,265 1,146 2,136 2,474 1,408 1,246 1,117 408 1,246 1,117 408 1,246 1,117 408 1,117 408 1,246 1,117 408 1,246 1,117 408 1,246 1,117 4,	All species:				
Individual birds		43	46	57	51
Endemic species: 1/	•	_	_	٠.	_
'Apapane       105       6       16       9         Hawaiian Coot 2/       37       62       58       76         Hawaiian Stilt 2/       100       155       148       168         Oahu 'Amakihi       62       34       38       20         Hawaiian Moorhen 2/       2       4       8       9         Oahu 'Elepaio       6       13       4       10         Indigenous species: 3/       60       111       23       44         Red-footed Booby       1,044       1,246       125       1,221         Alien species: 4/       2       231       40       178         Common Myna       1,265       1,146       2,136       2,474         Common Waxbill       339       622       1,117       408         House Sparrow       349       244       480       455         Japanese White-eye       300       303       547       403         Java Sparrow       1,096       396       1,754       1,525         Red-vented Bulbul       582       710       1,743       1,406         Rock Dove       86       239       304       302         Spotted Dove		. 5,==5	0,101	,555	,000
Hawaiian Coot 2/   37   62   58   76	Endemic species: 1/				
Hawaiian Stilt 2/       100       155       148       168         Oahu 'Amakihi       62       34       38       20         Hawaiian Moorhen 2/       2       4       8       9         Oahu 'Elepaio       6       13       4       10         Indigenous species: 3/       3       3       4       10         Indigenous species: 3/       60       111       23       44         Red-footed Booby       1,044       1,246       125       1,221         Alien species: 4/       2       231       40       178         Common Myna       1,265       1,146       2,136       2,474         Common Waxbill       339       622       1,117       408         House Sparrow       349       244       480       455         Japanese White-eye       300       303       547       403         Java Sparrow       1,096       396       1,754       1,525         Red-vented Bulbul       582       710       1,743       1,406         Rock Dove       86       239       304       302         Spotted Dove       889       703       1,239       1,295 <td>'Apapane</td> <td>105</td> <td>6</td> <td>16</td> <td>9</td>	'Apapane	105	6	16	9
Oahu 'Amakihi         62         34         38         20           Hawaiian Moorhen 2/ Oahu 'Elepaio         2         4         8         9           Oahu 'Elepaio         6         13         4         10           Indigenous species: 3/ Great Frigatebird         60         111         23         44           Red-footed Booby         1,044         1,246         125         1,221           Alien species: 4/ Cattle Egret         120         231         40         178           Common Myna         1,265         1,146         2,136         2,474           Common Waxbill         339         622         1,117         408           House Sparrow         349         244         480         455           Japanese White-eye         300         303         547         403           Java Sparrow         1,096         396         1,754         1,525           Red-vented Bulbul         582         710         1,743         1,406           Rock Dove         86         239         304         302           Spotted Dove         889         703         1,239         1,295	Hawaiian Coot 2/	37	62	58	76
Hawaiian Moorhen 2/ Oahu 'Elepaio       2       4       8       9         Oahu 'Elepaio       6       13       4       10         Indigenous species: 3/ Great Frigatebird Red-footed Booby       60       111       23       44         Red-footed Booby       1,044       1,246       125       1,221         Alien species: 4/ Cattle Egret       120       231       40       178         Common Myna       1,265       1,146       2,136       2,474         Common Waxbill       339       622       1,117       408         House Sparrow       349       244       480       455         Japanese White-eye       300       303       547       403         Java Sparrow       1,096       396       1,754       1,525         Red-vented Bulbul       582       710       1,743       1,406         Rock Dove       86       239       304       302         Spotted Dove       889       703       1,239       1,295	Hawaiian Stilt 2/	100	155	148	168
Oahu 'Elepaio         6         13         4         10           Indigenous species: 3/ Great Frigatebird Red-footed Booby         60         111         23         44           Red-footed Booby         1,044         1,246         125         1,221           Alien species: 4/ Cattle Egret         120         231         40         178           Common Myna         1,265         1,146         2,136         2,474           Common Waxbill         339         622         1,117         408           House Sparrow         349         244         480         455           Japanese White-eye         300         303         547         403           Java Sparrow         1,096         396         1,754         1,525           Red-vented Bulbul         582         710         1,743         1,406           Rock Dove         86         239         304         302           Spotted Dove         889         703         1,239         1,295	Oahu 'Amakihi	62	34	38	_
Indigenous species: 3/ Great Frigatebird Red-footed Booby  Alien species: 4/ Cattle Egret Common Myna Common Waxbill House Sparrow Japanese White-eye Java Sparrow Java Sparrow Red-vented Bulbul Rock Dove Spotted Dove  Indigenous species: 3/ 60 111 23 44 1,246 125 1,221  Alien species: 4/  231 40 178 2,136 2,474 2,136 2,474 408 408 455 339 622 1,117 408 480 455 349 349 344 480 455 349 349 349 344 480 455 349 349 349 344 480 345 349 349 349 344 340 345 349 349 349 349 349 349 349 349 349 349			•	8	
Great Frigatebird       60       111       23       44         Red-footed Booby       1,044       1,246       125       1,221         Alien species: 4/       231       40       178         Cattle Egret       120       231       40       178         Common Myna       1,265       1,146       2,136       2,474         Common Waxbill       339       622       1,117       408         House Sparrow       349       244       480       455         Japanese White-eye       300       303       547       403         Java Sparrow       1,096       396       1,754       1,525         Red-vented Bulbul       582       710       1,743       1,406         Rock Dove       86       239       304       302         Spotted Dove       889       703       1,239       1,295	Oahu 'Elepaio	6	13	4	10
Great Frigatebird       60       111       23       44         Red-footed Booby       1,044       1,246       125       1,221         Alien species: 4/       231       40       178         Cattle Egret       120       231       40       178         Common Myna       1,265       1,146       2,136       2,474         Common Waxbill       339       622       1,117       408         House Sparrow       349       244       480       455         Japanese White-eye       300       303       547       403         Java Sparrow       1,096       396       1,754       1,525         Red-vented Bulbul       582       710       1,743       1,406         Rock Dove       86       239       304       302         Spotted Dove       889       703       1,239       1,295					
Red-footed Booby       1,044       1,246       125       1,221         Alien species: 4/ Cattle Egret       120       231       40       178         Common Myna Common Waxbill       1,265       1,146       2,136       2,474         Common Waxbill       339       622       1,117       408         House Sparrow       349       244       480       455         Japanese White-eye       300       303       547       403         Java Sparrow       1,096       396       1,754       1,525         Red-vented Bulbul       582       710       1,743       1,406         Rock Dove       86       239       304       302         Spotted Dove       889       703       1,239       1,295		00	444	00	4.4
Alien species: 4/ Cattle Egret 120 231 40 178 Common Myna 1,265 1,146 2,136 2,474 Common Waxbill 339 622 1,117 408 House Sparrow 349 244 480 455 Japanese White-eye 300 303 547 403 Java Sparrow 1,096 396 1,754 1,525 Red-vented Bulbul 582 710 1,743 1,406 Rock Dove 86 239 304 302 Spotted Dove 889 703 1,239 1,295					1
Cattle Egret       120       231       40       178         Common Myna       1,265       1,146       2,136       2,474         Common Waxbill       339       622       1,117       408         House Sparrow       349       244       480       455         Japanese White-eye       300       303       547       403         Java Sparrow       1,096       396       1,754       1,525         Red-vented Bulbul       582       710       1,743       1,406         Rock Dove       86       239       304       302         Spotted Dove       889       703       1,239       1,295	Rea-looted Booby	1,044	1,246	125	1,221
Cattle Egret       120       231       40       178         Common Myna       1,265       1,146       2,136       2,474         Common Waxbill       339       622       1,117       408         House Sparrow       349       244       480       455         Japanese White-eye       300       303       547       403         Java Sparrow       1,096       396       1,754       1,525         Red-vented Bulbul       582       710       1,743       1,406         Rock Dove       86       239       304       302         Spotted Dove       889       703       1,239       1,295	Alien species: 4/				
Common Myna         1,265         1,146         2,136         2,474           Common Waxbill         339         622         1,117         408           House Sparrow         349         244         480         455           Japanese White-eye         300         303         547         403           Java Sparrow         1,096         396         1,754         1,525           Red-vented Bulbul         582         710         1,743         1,406           Rock Dove         86         239         304         302           Spotted Dove         889         703         1,239         1,295	•	120	231	40	178
Common Waxbill       339       622       1,117       408         House Sparrow       349       244       480       455         Japanese White-eye       300       303       547       403         Java Sparrow       1,096       396       1,754       1,525         Red-vented Bulbul       582       710       1,743       1,406         Rock Dove       86       239       304       302         Spotted Dove       889       703       1,239       1,295	•	1,265	1,146	2,136	2,474
Japanese White-eye       300       303       547       403         Java Sparrow       1,096       396       1,754       1,525         Red-vented Bulbul       582       710       1,743       1,406         Rock Dove       86       239       304       302         Spotted Dove       889       703       1,239       1,295	•	339	622	*	•
Java Sparrow       1,096       396       1,754       1,525         Red-vented Bulbul       582       710       1,743       1,406         Rock Dove       86       239       304       302         Spotted Dove       889       703       1,239       1,295	House Sparrow	349	244	480	455
Red-vented Bulbul       582       710       1,743       1,406         Rock Dove       86       239       304       302         Spotted Dove       889       703       1,239       1,295	Japanese White-eye	300	303	547	403
Rock Dove       86       239       304       302         Spotted Dove       889       703       1,239       1,295	Java Sparrow	1,096	396		
Spotted Dove 889 703 1,239 1,295			_	·	
Zebra (Barred) Dove 1,713 1,424 3,505 3,690	•			,	,
	Zebra (Barred) Dove	1,713	1,424	3,505	3,690
Visitor anacias, 5/	Vicitor en esias. E/				
Visitor species: 5/ Pacific Golden-Plover 815 763 1.351 1.268	•	015	762	1 251	1 260
Pacific Golden-Plover         815         763         1,351         1,268           Ruddy Turnstone         365         340         288         287				,	•
17 Tuday Fullisione 303 340 200 201	Nuday Tullistolle	300	340	200	201

<sup>1/</sup> Birds peculiar to Hawaii, and found nowhere else.

Source: Hawaii Audubon Society, 'Elepaio (monthly), and records.

<sup>2/</sup> Endangered species.

<sup>3/</sup> Native to Hawaii, but also found elsewhere.

<sup>4/</sup> Formerly termed "introduced". Includes accidental escapes from captivity.

<sup>5/</sup> Formerly termed "migratory". Includes stragglers and seasonal migrants.