

Forty-ninth Breeding Bird Census

Edited by Willet T. and
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FOLLOWING THE TREND OF THE previous year (127 censuses, down 40% from 1983), the total number of Breeding Bird Censuses submitted for the 1985 season dropped to 103. These censuses represented twenty-eight states and provinces, with Pennsyl-

vania (16), California (9), and New York and Colorado (7 each), having the highest numbers.

A total of 161 observers, spending over 3496 hours in the field, censused 1372.3 hectares. The highest number of hours spent on any one census was 288. The average sized census was 12.7 hectares, with a range from 1.1 to 65.8. The number of pairs censused per square kilometer ranged from 49 to 3212 and averaged 557. The total number of species

found per census ranged from 3 to 47, averaging 20.5.

The data compiled in the census listed in the table below are being stored in a computer at the Laboratory of Ornithology at Cornell University. Requests for information on how to obtain these data should be directed to: Gregory S. Butcher, Cooperative Research Program, Cornell Laboratory of Ornithology, 159 Sapsucker Woods Road, Ithaca, New York 14850 (Telephone: 607-256-4999).

List of Breeding Bird Censuses

Habitat	County; State or Province	Hectares	Pairs/ sq. km.	Hrs. Obs.	Species	Yrs of Study	Contributors
A. EASTERN—DECIDUOUS FOREST							
1. Riparian Oak-Maple Forest	Penobscot, ME	1.1	1528	12	18	1	Markowsky
2. Second-growth Hardwood Forest	Litchfield, CT	10.1	934	16	35	19	Magee
3. Lowland Oak-Beech-Maple Forest	Oswego, NY	8.1	988	15	27	3	Maxwell
4. Upland Oak Forest	Delaware, NY	11.8	412	18	12	5	Miller, Smeltzer
5. Oak-Maple Ridge-top Forest	Berks, PA	19.3	134	18	13	4	Senner, Tennant
6. Oak-Maple Slope Forest	Berks, PA	16.9	130	17	17	4	Goodrich, Varley
7. Red Maple-Oak Forest	Centre, PA	15.0	247	—	16	2	Yahner, H. Smith, Hennemuth
8. Red Maple-Oak Forest	Centre, PA	15.0	260	—	17	2	Yahner, H. Smith, Hennemuth
9. Red Maple-Oak Forest	Centre, PA	15.0	250	—	14	2	Yahner, H. Smith, Hennemuth
10. Red Maple-Oak Forest	Centre, PA	15.0	353	—	19	2	Yahner, H. Smith, Hennemuth
11. Mixed Deciduous Forest	Huntingdon, PA	15.0	177	—	18	2	Yahner, H. Smith, Hennemuth
12. Mixed Deciduous Forest	Huntingdon, PA	15.0	133	—	9	2	Yahner, H. Smith, Hennemuth
13. Mixed Deciduous Forest	Huntingdon, PA	15.0	147	—	12	2	Yahner, H. Smith, Hennemuth
14. Mixed Deciduous Forest	Huntingdon, PA	15.0	183	—	18	2	Yahner, H. Smith, Hennemuth
15. Sugar Maple-Mixed Hardwood Forest	Washington, PA	9.7	744	28	28	4	Ickes
16. Mature Deciduous Floodplain Forest	Montgomery, MD	7.6	850	62	22	33	Eliot, Thompson, Gauthey
17. Mixed Upland Habitat	Washington, DC	14.2	1356	115	32	27	Briggs,* Bullock, D'Imperio, Feather, Holbrook, G. Hunt, S. Hunt
18. Mixed Oak Forest (Cut 1982)	Giles, VA (1984)	7.9	238	21	17	1	Garrison, Vouchilas, Stinson,
	(1985)	7.9	270	19	16	2	Stauffer
19. Mixed Oak-Hickory Forest	Montgomery, VA (1984)	6.8	478	25	18	1	Garrison, Vouchilas, Stinson,
	(1985)	6.8	419	21	20	2	Stauffer
20. Mixed Oak-Red Maple Forest	Giles, VA (1984)	8.0	237	23	13	1	Garrison, Vouchilas, Stinson,
	(1985)	8.0	312	21	13	2	Stauffer
21. Upland Oak-Hickory Forest	Fairfax, VA	11.0	695	30	22	13	Newman, O'Brien, Per-Lee, Jr., * Strong, Strother, Watson*
22. Birch-Maple-Beech Forest	Randolph, WV	10.0	340	13	16	1	Brooks Bird Club
23. Maple-Oak-Basswood	Randolph, WV	10.0	295	11	21	1	Brooks Bird Club
24. Oak-Hickory-Maple	Hardy, WV	6.1	189	12	17	2	Brooks Bird Club
25. Oak-Maple-Birch Forest	Hardy, WV	6.1	206	8	13	2	Brooks Bird Club
26. Oak-Maple-Hickory Forest	Hardy, WV	6.1	280	18	17	1	Brooks Bird Club
27. Hardwood Swamp Forest	Dorchester, SC	8.1	1835	28	21	4	Brunswick,* Dawson
28. Second-growth Hardwood Forest	McLean, IL	7.9	323	9	17	1	Herkert
29. Black Oak-Sassafras Woods	Porter, IN	22.2	90	41	9	10	Pitcher

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B. EASTERN—CONIFEROUS-DECIDUOUS (MIXED)							
30. Climax Hemlock-White Pine Forest, with Transition Hardwoods	Litchfield, CT	10.5	1079	18	45	18	Magee
31. Mixed Hardwood Forest	Calvert, MD	11.3	794	28	41	21	Fales
32. Upland Mixed Pine-Spruce-Hardwood Plantation	Allegany, NY	16.6	482	14	34	12	Brooks
33. Mixed Oak-Pine Forest I	Luzerne, PA	6.0	818	36	27	9	Gross
34. Mixed Oak-Pine Forest II	Luzerne, PA	11.1	606	43	32	9	Gross
35. Central Hardwood Forest with Scattered Pine	Washington, DC	26.3	274	54	24	26	Criswell,* Czaplak, DeMarco, Ford
36. Mixed Oak-Pitch Pine Forest	Montgomery, VA						
	(1984)	8.0	393	26	19	1	Garrison, Vouchilas, Stinson,
	(1985)	8.0	287	22	16	2	Stauffer
37. Neotoma Valley	Hocking, OH	20.2	356	60	31	8	Claugus*
C. EASTERN—CONIFEROUS							
38. Mature White Spruce Plantation	Penobscot, ME	4.1	791	23	19	1	Markowsky
39. Red Pine Plantation	Litchfield, CT	8.5	1224	13	40	8	Magee
40. Upland Christmas Tree Farm	Allegany, NY	10.7	457	11	19	3	Brooks
41. Upland Scotch Pine Plantation	Allegany, NY	9.3	645	14	27	17	Brooks
42. Fraser's Fir Forest	Yancey, NC	8.1	371	79	10	2	Hammond, Adams
43. Jack Pine Forest	Chippewa, MI	16.0	138	26	10	1	Wiens
D. EASTERN—MIXED HABITAT							
44. Oak-Hemlock Forest, Transition Forest, and Thicket	New London, CT	23.1	574	38	34	15	Askins, Philbrick, Sugeno
		6.5	614		28		
45. Upland Brushy Pasture	Litchfield, CT	8.5	1382	16	39	19	Magee
46. Suburban Bird Sanctuary	Nassau, NY	4.3	606	14	17	3	Kolodnicki
47. Deciduous Forest with Pond and Brook	Bergen, NJ	16.2	315	10	28	22	J. Bristow, N. Bristow, Sjolander, White, Brotherton*
48. Abandoned Pasture Scrubland	Ottawa, ONT	9.0	589	15	28	4	Gawn
49. Mixed Hardwood-Agriculture	Wellington, ONT	4.4	251	15	12	2	Kevan
50. Transitional Mixed Forest-Field	Simcoe, ONT	6.0	585	26	19	6	Laurin, Frost, Hubner
51. Disturbed Oak-Hickory, Pine Stand, Edge and Pond	Licking, OH	14.2	466	30	32	47	Claugus
52. Brushy Old Field with Hedgerows	Wayne, IN	4.3	993	6	16	3	Young, Jr.
53. Mixed Habitat Second Growth and Old Field	Wayne, IN	11.1	575	11	27	3	Young, Jr.
54. Deciduous Clearcut	Washington, TN	20.2	489	10	25	11	Lewis
55. Mixed-Mesophytic Woods, Fields, and Brush	Putnam, TN	27.0	404	35	42	9	Simmers, Jr.
E. CENTRAL—PRAIRIE							
56. Tall Grass Prairie I	Dickinson, IA	16.0	181	6	15	4	Lowther
57. Tall Grass Prairie II	Dickinson, IA	65.8	167	16	22	4	Lowther
58. Tall Grass Prairie III	Dickinson, IA	44.8	181	14	20	4	Lowther
59. Kentucky Blue Grass Prairie	Stutsman, ND	4.8	82	3	8	14	D. Johnson, Hassler, Luttschwager, Pabian
60. Mixed Prairie I	Stutsman, ND	10.0	210	8	16	14	D. Johnson, Hassler, Luttschwager, Pabian
61. Mixed Prairie II	Stutsman, ND	6.1	74	3	11	14	D. Johnson, Hassler, Luttschwager, Pabian
62. Mixed Prairie III	Stutsman, ND	6.1	49	5	7	14	D. Johnson, Hassler, Luttschwager, Pabian
63. Mixed Prairie IV	Stutsman, ND	6.1	123	6	9	14	D. Johnson, Hassler, Luttschwager, Pabian
64. Mixed Prairie V	Stutsman, ND	6.1	115	5	8	14	D. Johnson, Hassler, Luttschwager, Pabian
F. CENTRAL—DISTURBED HABITAT							
65. Improved Pasture and Oak-Pine Forest	Delaware, OK	9.1	747	31	30	7	Baumgartner, Stevenson
66. Oak-Pine Ravine Forest with Clearings	Delaware, OK	7.4	722	29	22	7	Baumgartner, Stevenson

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G. CENTRAL—DECIDUOUS							
67 River Bottom Forest	MAN	14.0	514	22	20	9	De Smet
68 Deciduous Floodplain Forest	Delaware, OK	6.7	1176	57	22	7	Baumgartner, Stevenson
H. CENTRAL—CONIFEROUS							
69 Lowland White Spruce Forest	MAN	16.0	604	29	24	1	De Smet
I. WESTERN—DECIDUOUS							
70 Floodplain Cottonwood Forest	Jefferson, CO	9.7	3212	12	7	14	Kingery
J. WESTERN—CONIFEROUS							
71 Ponderosa Pine Forest	Boulder, CO	8.1	161	19	5	17	Hering
72 Burned Pine-Fir Forest	Sierra/Nevada, CA	8.5	568	30	22	5	With, Morrison
73 Mature Pine-Fir Forest	Nevada, CA	8.5	473	27	17	5	With, Morrison
74 Boreal Black Spruce Forest I	AK	10.0	150	30	7	1	Wright
75 Boreal Black Spruce Forest II	AK	10.0	140	27	6	1	Wright
76 Boreal Black Spruce Forest III	AK	10.0	110	24	7	1	Wright
77 Spruce-Hemlock Forest	AK	8.1	296	56	10	1	Devaney, Rivers, Russell
K. WESTERN—CONIFEROUS-DECIDUOUS (MIXED)							
78 Ponderosa Pine-Scrub Oak Forest	El Paso, CO	12.0	417	40	19	3	Kent, Cassel
79 Oak-Juniper-Pine Forest	Cochise, AZ	28.0	334	42	27	1	Greene, Fowler, Wildman
80 Riparian Woodland-Live Oak-Juniper	Cochise, AZ	9.1	1554	77	33	7	Barker
81 Coastal Scrub	Marin, CA	8.1	605	227	19	13	DeSante, Batson, Geupel, Kremins, Lance
82 Disturbed Coastal Scrub A	Marin, CA	4.7	628	125	23	13	DeSante, Fee, Geupel, Lowerey
83 Disturbed Coastal Scrub B	Marin, CA	8.1	568	269	21	14	DeSante, Engel, Geupel, Hull
L. WESTERN—MIXED HABITAT							
84 Alpine Willow Carr, Meadow, and Krummholz	Boulder, CO	10.0	275	10	7	2	Hallock
85 Subalpine Messic Willow Carr	Boulder, CO	10.0	780	27	14	2	Figgs, Lederer
86 Mountain Meadow and Open Coniferous Forest	Boulder, CO	13.0	525	58	30	5	Stiles-Wainwright, Wainwright
87 Scattered Mixed Coniferous Forest in Subalpine Meadows and Spruce Bogs	Grant, OR	32.4	142	21	15	13	Hudson
88 Mesquite-Hackberry Riparian Association	Pima, AZ	11.2	874	8	28	1	J. Tweit, R. Tweit
89 Mature Upper Mixed-Coniferous Forest-Montane Chapparral	Fresno, CA	42.3	677	288	47	1	Lovio, Milne, Suydam, Cutler
90 Old-growth Mixed-Coniferous-Red Fir Forest Transition	Fresno, CA	42.3	594	252	30	1	Labinger, Hosler, Flett-Lambert, Kupferberg
M. WETLANDS							
91 Shrubby Swamp and Sedge Hummocks	Litchfield, CT	8.1	1853	16	28	19	Magee
92 Gulf Coast Salt Marsh	Levy, FL	20.0	360	—	3	6	McDonald
93 Tamarack Bog and Hardwood	Berrien, MI	8.5	271	8	15	10	J. Mullins, C. Mullins
94 Bulrush and Cat-tail Marsh in Conifer Forest	Lake, MT	40.5	386	18	44	11	Bishop
95 Coastal Riparian and Cat-tail-Sedge Marsh	Marin, CA	17.5	1147	47	46	1	Evens, Stallcup
96 Freshwater Marsh	Marin, CA	5.2	1532	25	25	1	Evens, Stallcup
N. FIELDS AND CULTIVATED AREAS							
97 Abandoned Field	Washington, PA	6.4	392	20	7	3	Lawrence
98 Abandoned Field I	Luzerne, PA	6.0	1302	46	26	8	Gross
99 Abandoned Field II	Luzerne, PA	4.3	820	32	17	7	Gross
100 Mixed Grass and Old Field	Wayne, IN	6.6	114	5	7	3	Young, Jr.
101 Abandoned Upland Pasture	Allegany, NY	8.0	1606	40	28	2	Pitzrick
O. RESIDENTIAL							
102 Village	Wyandot, OH	18.6	371	30	13	1	Claugus
103 Suburban College Campus	Jefferson, CO	18.3	432	12	14	3	Hayes

*Indicated compiler or co-compiler.

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