

## NINE YEARS OF BIRD BANDING AT FOUR AREAS IN NEW JERSEY

## II. CUCULIDAE AND PICIDAE

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Birds of the Families Cuculidae and Picidae were captured during a nine-year period at four areas in New Jersey (Sussman et al 1971). The areas are known as Great Swamp, Forked River, Oceanville and Estell Manor.

Bands were placed on 112 birds of Family Cuculidae and 1,054 birds of Family Picidae. The most frequently banded bird of the Cuculidae was Yellow-billed Cuckoo. The most frequently banded member of Picidae was Downy Woodpecker. (Table I)

## RETURNING CHARACTERISTICS AND LONGEVITY:

A record was maintained for each bird which repeated or returned. These records were used to prepare tables showing the number of individuals of each species captured each year. The tables were expanded to show the number of those individuals recaptured in subsequent years. For this purpose, any bird was counted only one time in any calendar year, although many birds were actually captured several times per calendar year.

Yellow-billed Cuckoo:

Sixty-seven of these birds were banded. Only two of these birds returned in subsequent years. One banded at Estell Manor in 1961 returned three years later in 1964. Another banded at Estell Manor in 1962 returned in 1963.

Black-billed Cuckoo:

Forty-five of these birds were banded. Although one of these birds repeated at Estell Manor in August 1967, none returned to any area.

Yellow-shafted Flicker:

Yellow-shafted Flickers were captured at Great Swamp (1961-1967), Forked River (1961-1968), Oceanville (1961-1968), and Estell Manor (1960-1967).

The number of individuals captured at Great Swamp per calendar year varied from four in 1961 and in 1967 to 30 in 1963. (Table II)

At Forked River, the fewest individuals captured in any calendar year were three in 1968, a year in which very little netting was done in that area. During the years of more active netting, the number of individuals handled at Forked River varied from eight in 1962 through 21 in 1961 (Table III).

The number of individuals captured at Oceanville varied from 13 in 1962 and in 1964 through 30 in 1961. (Table IV).

At Estell Manor, the number of individuals varied from one in 1960 through twelve in 1967. (Table V)

The longevity records established in these populations of Yellow-shafted Flickers were: Great Swamp 3 years, Forked River 3 years, Oceanville 6 years, and Estell Manor 2 years. It is interesting to note that all of the four individuals captured at Great Swamp in 1961 were recaptured in 1962. Three of these were recaptured in 1963, and two in 1964.

#### Yellow-bellied Sapsucker:

Twenty-one of these birds were banded. None of them repeated or returned at any of the areas.

#### Hairy Woodpecker:

Hairy Woodpeckers were captured at Great Swamp (1961-1967), Forked River (1961-1968), Oceanville (1961-1968), Estell Manor (1960-1967).

The number of individuals captured at Great Swamp per calendar year varied from three in 1966 through 22 in 1962. (Table VI)

At Forked River, the number of individuals varied from one in 1964 and 1966 through nine in 1963. (Table VII)

The number of individuals captured at Oceanville varied from two in 1967 through ten in 1961. (Table VIII)

At Estell Manor the number of individuals varied from three in 1967 through fourteen in 1963. (Table IX)

The longevity records established in these populations of Hairy Woodpeckers were: Great Swamp 2 years, Forked River 5 years, Oceanville 5 years, and Estell Manor 4 years.

#### Downy Woodpecker:

Downy Woodpeckers were captured at Great Swamp (1961-1968), Forked River (1961-1968), Oceanville (1961-1968), and Estell Manor (1960-1967).

At Great Swamp, the fewest individuals captured in any calendar year were two in 1968; very little netting was done at Great Swamp in 1968. During the years of more active netting, the number of individuals handled at Great Swamp varied from thirteen in 1966 and in 1967 through 31 in 1963. (Table X)

The number of individuals captured at Forked River per calendar year varied from seven in 1967 and in 1968 through 28 in 1963. (Table XI)

At Oceanville, the number of individuals varied from fourteen in 1965 through 42 in 1963. (Table XII)

The number of individuals at Estell Manor varied from six in 1960 through 28 in 1962. (Table XIII)

The longevity records established in these populations of Downy Woodpeckers were: Great Swamp 3 years, Forked River 5 years, Oceanville 6 years, and Estell Manor 4 years.

## Nine Years of Banding at Four Areas in New Jersey

Scientific names of birds mentioned in text;

Yellow-billed Cuckoo	<i>Coccyzus americanus</i>
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>
Yellow-shafted Flicker	<i>Colaptes auratus</i>
Hairy Woodpecker	<i>Dendrocopos villosus</i>
Downy Woodpecker	<i>Dendrocopos pubescens</i>

Literature cited:

Sussman, Oscar; Kerlin, Raymond E.; Carter, William C.; Haws, George; Gusciora, Walter R.; and Goldfield, Martin. 1971. Nine years of Bird Banding at Four Areas in New Jersey. I. Introduction. EBBA NEWS 34(2): 85-88.

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	1960	1961	1962	1963	1964	1965	1966	1967	1968	Total
<u>Cuculidae</u>										
Yellow-b. Cuckoo	6	12	14	21	0	2	7	5	0	67
Black-b. Cuckoo	1	7	5	7	3	0	6	16	0	45
<u>Picidae</u>										
Yellow-sh. Flicker	1	62	36	67	47	42	61	32	20	368
Yellow-b. Sapsucker	0	1	3	0	0	5	6	0	6	21
Hairy Woodpecker	6	39	31	34	15	21	16	15	5	182
Downy Woodpecker	5	55	99	105	53	55	47	35	29	483

TABLE I. CUCULIDAE AND PICIDAE BANDED AT FOUR AREAS IN NEW JERSEY

	Individuals Captured*	Recaptured 1962	Recaptured 1963	Recaptured 1964	Recaptured 1965	Recaptured 1966	Recaptured 1967	Recaptured 1968
1961	4	4	3	2	0	0	0	
1962	17	-	3	2	0	0	0	
1963	30	-	-	4	2	0	0	
1964	16	-	-	-	1	0	0	
1965	14	-	-	-	-	-	0	
1966	7	-	-	-	-	-	-	
1967	4	-	-	-	-	-	-	

TABLE II. RETURNING CHARACTERISTICS OF YELLOW-SHAFTED FLICKERS CAPTURED AT GREAT SWAMP (1961 - 1967)

1961	21	2	3	2	0	0	0	0
1962	8	-	1	1	0	0	0	0
1963	27	-	-	1	1	0	0	0
1964	20	-	-	-	2	1	1	0
1965	17	-	-	-	-	1	1	0
1966	13	-	-	-	-	-	1	0
1967	12	-	-	-	-	-	-	0
1968	3	-	-	-	-	-	-	-

TABLE III. RETURNING CHARACTERISTICS OF YELLOW-SHAFTED FLICKERS CAPTURED AT FORKED RIVER (1961 - 1968)

1961	30	4	4	3	0	0	0	0
1962	13	-	2	2	0	0	1	1
1963	15	-	-	1	0	0	0	0
1964	13	-	-	-	1	0	0	0
1965	14	-	-	-	-	0	2	1
1966	16	-	-	-	-	-	0	0
1967	20	-	-	-	-	-	-	3
1968	19	-	-	-	-	-	-	-

TABLE IV. RETURNING CHARACTERISTICS OF YELLOW-SHAFTED FLICKERS CAPTURED AT OCEANVILLE (1961 - 1968)

\*Includes returns from previous years when applicable

	Individuals Captured*	Recaptured 1961	Recaptured 1962	Recaptured 1963	Recaptured 1964	Recaptured 1965	Recaptured 1966	Recaptured 1967
1960	1	0	0	0	0	0	0	0
1961	10	-	2	1	0	0	0	0
1962	9	-	-	1	1	0	0	0
1963	7	-	-	-	0	0	0	0
1964	8	-	-	-	-	0	0	0
1965	4	-	-	-	-	-	1	0
1966	10	-	-	-	-	-	-	0
1967	12	-	-	-	-	-	-	-

TABLE V. RETURNING CHARACTERISTICS OF YELLOW-SHAFTED FLICKERS CAPTURED AT ESTELL MANOR (1960 - 1967)

		<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>
1961	14	3	1	0	0	0	0	
1962	22	-	4	1	0	0	0	
1963	15	-	-	2	0	0	0	
1964	8	-	-	-	0	0	0	
1965	7	-	-	-	-	0	0	
1966	3	-	-	-	-	-	0	
1967	5	-	-	-	-	-	-	

TABLE VI. RETURNING CHARACTERISTICS OF HAIRY WOODPECKERS CAPTURED AT GREAT SWAMP (1961-1967)

1961	6	1	1	0	0	0	0	0
1962	5	-	3	0	1	0	1	0
1963	9	-	-	0	1	0	1	0
1964	1	-	-	-	0	0	0	0
1965	4	-	-	-	-	0	1	0
1966	1	-	-	-	-	-	0	0
1967	4	-	-	-	-	-	-	0
1968	2	-	-	-	-	-	-	-

TABLE VII. RETURNING CHARACTERISTICS OF HAIRY WOODPECKERS CAPTURED AT FORKED RIVER (1961-68)

\*Includes returns from previous years when applicable

	Individuals Captured*	Recaptured 1962	Recaptured 1963	Recaptured 1964	Recaptured 1965	Recaptured 1966	Recaptured 1967	Recaptured 1968
1961	10	1	3	0	0	0	0	0
1962	3	-	1	0	0	0	0	0
1963	9	-	-	3	1	1	0	1
1964	6	-	-	-	1	1	1	1
1965	5	-	-	-	-	1	0	1
1966	4	-	-	-	-	-	0	1
1967	2	-	-	-	-	-	-	0
1968	3	-	-	-	-	-	-	-

TABLE VIII. RETURNING CHARACTERISTICS OF Hairy Woodpeckers Captured at Oceanville (1961-1968)

		1961	1962	1963	1964	1965	1966	1967
1960	6	1	0	0	0	0	0	0
1961	11	-	0	0	1	1	0	0
1962	6	-	-	0	1	0	0	0
1963	14	-	-	-	1	0	0	0
1964	8	-	-	-	-	0	0	0
1965	8	-	-	-	-	-	1	0
1966	9	-	-	-	-	-	-	0
1967	3	-	-	-	-	-	-	-

TABLE IX. RETURNING CHARACTERISTICS OF Hairy Woodpeckers Captured at Estell Manor (1960-1967)

		1962	1963	1964	1965	1966	1967	1968
1961	23	2	2	2	0	0	0	0
1962	29	-	3	1	0	0	0	0
1963	31	-	-	2	3	0	0	0
1964	22	-	-	-	2	0	0	0
1965	22	-	-	-	-	0	0	0
1966	13	-	-	-	-	-	0	0
1967	13	-	-	-	-	-	-	0
1968	2	-	-	-	-	-	-	-

TABLE X. RETURNING CHARACTERISTICS OF Downy Woodpeckers Captured at Great Swamp (1961-1968)

\*Includes returns from previous years when applicable

	Individuals Captured*	Recaptured 1962	Recaptured 1963	Recaptured 1964	Recaptured 1965	Recaptured 1966	Recaptured 1967	Recaptured 1968
1961	16	3	2	1	1	0	0	0
1962	27	-	2	1	2	0	1	0
1963	28	-	-	2	3	0	1	0
1964	12	-	-	-	1	0	0	0
1965	15	-	-	-	-	0	1	0
1966	6	-	-	-	-	-	1	0
1967	7	-	-	-	-	-	-	0
1968	7	-	-	-	-	-	-	-

TABLE XI. RETURNING CHARACTERISTICS OF Downy Woodpeckers Captured at Forked River (1961-1968)

1961	32	4	2	0	1	0	1	0
1962	30	-	8	2	1	0	1	0
1963	42	-	-	4	1	0	1	0
1964	16	-	-	-	3	1	0	0
1965	14	-	-	-	-	2	1	0
1966	15	-	-	-	-	-	4	1
1967	16	-	-	-	-	-	-	2
1968	19	-	-	-	-	-	-	-

TABLE XII. RETURNING CHARACTERISTICS OF Downy Woodpeckers Captured at Oceanville (1961-1968)

		1961	1962	1963	1964	1965	1966	1967
1960	6	1	3	0	0	0	0	0
1961	16	-	0	4	1	0	0	0
1962	28	-	-	4	2	0	2	0
1963	25	-	-	-	2	0	0	0
1964	17	-	-	-	-	1	3	0
1965	16	-	-	-	-	-	2	0
1966	21	-	-	-	-	-	-	1
1967	13	-	-	-	-	-	-	-

TABLE XIII. RETURNING CHARACTERISTICS OF Downy Woodpeckers Captured at Estell Manor (1960-67)

\*Includes returns from previous years when applicable