

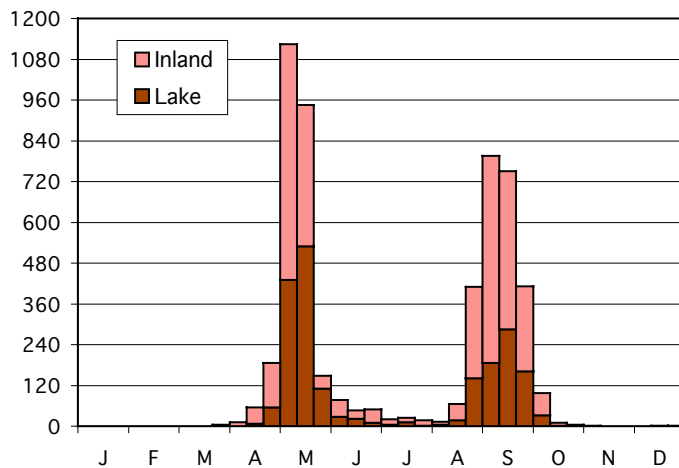
Black-and-white Warbler

Mniotilta varia

Historical Information

First Published Record: A Black-and-white Warbler collected in Franklin County by A.W. Butler 19 April 1880 (DNR files), appears to constitute the state's earliest formal record.

Butler (1898) considered this warbler a common migrant and noted that a few nested each year. Keller et al. (1979) deemed it a common migrant and rare summer resident. Mumford and Keller (1984) referred to the Black-and-white Warbler as a fairly common migrant and very rare summer resident.



Current Status

The Black-and-white Warbler is a Common (4) migrant and Uncommon (6) summer resident.

Status

Physical Evidence: At least 22 specimens, plus eggs, are preserved in museums (S.F. Jackson unpublished list and J.B. Dunning unpublished computer list).

STATUS TABLE				
Specimens				
Museum				No.
Chicago Field Museum				2
National Museum of Natural History				12
Purdue Univ. Wildlife Laboratory				5
Univ. of Michigan Museum				4*
*Includes a clutch of eggs				
20-Year Abundance Table				
	Win	Spr	Sum	Fall
Northern Tier	n	4	7	4
Central Tier	8	6	7	4
Southern Tier	n	6	6	5
Entire State	n	4	6	4

Occurrence

This handsome warbler has been reported in more than 81 counties. As a migrant the Black-and-white Warbler ranks 13th in the spring flight and 12th in fall.

Summer Records

Summer Black-and-white Warblers were reported in 19 of the past 20 summers, with a mean tally of 8.6 birds per year. Summer records are distributed throughout the state.

Winter Records

Three December birds have been reported; a Black-and-white Warbler observed at Geist Reservoir 25 and 29 December 1974 (Tomkins 1975), constituted the latest of the three records.

Extreme Records

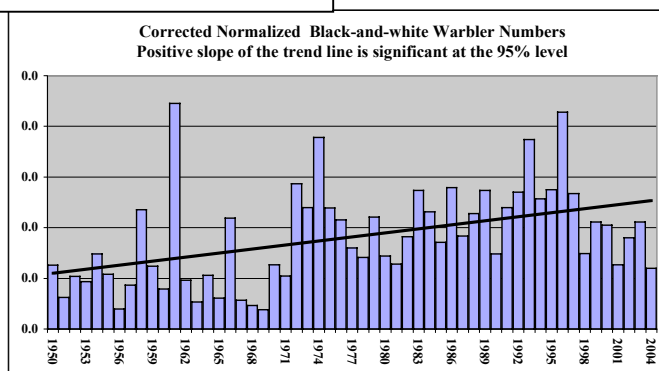
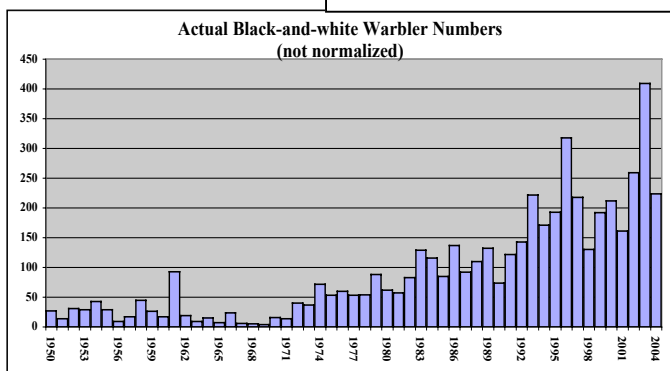
The state's two largest counts both occurred 11 May 1996 (see maximum count table), in association with a major grounding of migrants in conjunction with inclement weather (Brock 1997).

Population Trend

Positive slope of the trend line is statistically significant at the 95 percent level, suggesting that Indiana's Black-and-white Warbler population has increased over the past half-century.

Black-and-white Warbler Population Trend

Positive slope of the trend line is significant at the 95% level



Breeding

Castrale et al. (1998) found breeding evidence in 25 counties: five in the northern tier, seven in the central tier, and 13 in the southern tier. Some nine nests, spanning the dates from 30 April to 1 June, have been reported. The Black-and-white Warbler is listed as a species of special concern by the Indiana Department of Natural Resources.

Black-and-white Warbler Data

Maximum Single Party Counts				
Spring				
Number	Date	Location	Observer	Ref.
41	11-May-1996	Dunes S.P.	L.S. Hinchman	KJB
38	11-May-1996	Beverly Shores	J.J. McCoy	KJB
30*	09-May-1958	Baileytown	V. Reuter-skiold	VRS
Thirty* were reported on one additional occasion				
Fall				
Number	Date	Location	Observer	Ref.
25	12-Sep-1961	Baileytown	V. Reuter-skiold	VRS
23	21-Sep-1993	Fox Island Park	J.A. Haw	IAQ
18	04-Sep-1995	Parke Co	A.W. Bruner	IAQ

Migration Envelopes						
Spring						
	Earliest	Arrive	Peak	Depart	Latest	Records
North	3-Apr-1952	1-May	10-May	22-May	Sum. Vis.	829
Central	27-Mar-1968	26-Apr	9-May	19-May	Sum. Vis.	242
South	25-Mar-2000	15-Apr	9-May	5-Jun	Sum. Vis.	172
Fall						
	Earliest	Arrive	Peak	Depart	Latest	Records
North	Sum. Vis.	26-Aug	10-Sep	27-Sep	18-Oct-1975	878
Central	Sum. Vis.	26-Aug	13-Sep	29-Sep	2-Nov-1981	324
South	Sum. Vis.	29-Aug	14-Sep	28-Sep	21-Oct-1973	179

References Cited

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Castrale, J.S., E.M. Hopkins, and C.E. Keller (1998) Atlas of breeding Birds of Indiana, Indiana Department of Natural Resources, 388 pp.

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