



# United States Department of the Interior

22 JAN 1979

FISH AND WILDLIFE SERVICE  
PATUXENT WILDLIFE RESEARCH CENTER  
LAUREL, MARYLAND 20811  
January 8, 1978

Mr. Doug Andrews  
State Supervisor  
U. S. Fish and Wildlife Service (ADC)  
Federal Building, Room 405  
200 N High  
Columbus, Ohio 43215

Dear Mr. Andrews:

The Kirtland's Warbler eggs collected in 1978 have been analyzed for pesticide residues. Of 17 eggs submitted, only 6 were in usable condition and only one egg contained residues. This egg had 0.54 ppm PCB expressed as Aroclor 1254 on an actual weight basis.

The extremely low levels of contamination of the current and preceding samples of eggs indicate that Kirtland's warblers carry only background levels of contaminants and are most probably not being influenced by them. Unless there is a strong suspicion of a dramatic change in the species' exposure to contaminants, I think it inadvisable to continue analysis of Kirtland's warbler eggs.

Sincerely yours,

Kenneth L. Stromborg  
Research Biologist



PATUXENT WILDLIFE RESEARCH CENTER - ANALYTICAL REPORT - PR-1552

Submitter: Doug Andrews, State Supervisor, Animal Damage Control, FWS, Federal Bldg, Room 405, 200 No. High Street, Columbus, Ohio 43215.

Specimen Data: Six Kirtland Warbler eggs collected June-July 1978 in Michigan by L. H. Walkinshaw or N. L. Cuthbert.

Results: ppm corrected wet weight; organochlorine compounds. Lower limit of detection before correction = 0.1 ppm.

<u>Sample No.</u>	<u>Catalog No.</u>	<u>Collector</u>
78-1850	KW-78-2A	L. H. Walkinshaw
78-1851	KW-78-2C	L. H. Walkinshaw
78-1852	KW-78-4B	N. L. Cuthbert
78-1853	KW-78-5B	N. L. Cuthbert
78-1854	KW-78-5C	N. L. Cuthbert
78-1855	KW-78-6A	N. L. Cuthbert

<u>Compound</u>	<u>78-1850</u>	<u>78-1851</u>	<u>78-1852</u>	<u>78-1853</u>	<u>78-1854</u>	<u>78-1855</u>
P,p'-DDE	-	-	-	-	-	-
P,p'-DDD	-	-	-	-	-	-
P,p'-DDT	-	-	-	-	-	-
Dieldrin	-	-	-	-	-	-
Heptachlor epoxide	-	-	-	-	-	-
Oxychlorane	-	-	-	-	-	-
<u>cis</u> -Chlordane	-	-	-	-	-	-
<u>trans</u> -Nonachlor	-	-	-	-	-	-
<u>cis</u> -Nonachlor	-	-	-	-	-	-
Endrin	-	-	-	-	-	-
Est. Toxaphene	-	-	-	-	-	-
HCB	-	-	-	-	-	-
Mirex	-	-	-	-	-	-
Est. PCB	0.26	-	-	-	-	-

- = none detected

*W. L. Reichel*

W. L. Reichel, Project Leader  
Env. Residue Chemistry