

LATE RECORD OF KIRTLAND'S WARBLER ON THE BREEDING GROUNDS

PAUL W. SYKES, JR. AND DOUGLAS J. MUNSON

An extensive mist netting operation (N=200 nets) was part of an ongoing Kirtland's Warbler research project in Michigan during the post-breeding period (mid-July to early October), 1988. Mist nets were in place at 2 study areas 13 September-9 October (5,220 net-hours) in Crawford (N=104 nets) and Oscoda (N=70 nets) Counties. We alternated operation of nets at the 2 areas. On 1 October 1988, we captured an adult female (age and sex determined by combination of plumage, molt condition, and wing chord; Sykes and C. B. Kepler, ms. in prep.) Kirtland's Warbler in the southeastern part of the 1980 Mack Lake Burn, Huron National Forest (T25N R3E S22, Oscoda Co.). This locality (latitude 44°32'45" N, longitude 84°03'30" W) is 12.9 km SE of Mio. The bird was in excellent condition, weighed 15.4 g, had a wing chord (unflattened) of 66.0 mm, and was fat class 4 (furculum full of fat but not bulging; see Helms and Drury, *Bird Banding* 31:1-40, 1960). We uniquely banded the warbler with USFWS band No. 2020-63149 on the right tarsus above a blue band, and with 2 yellow bands on the left tarsus. We took color photographs of the bird held in the hand, and it was released at 1321 h at the exact site at which it was captured. Total handling time was about 20 min. The bird flew off strongly upon release and gave several chip notes, typical behavior for this species upon being released.

This 1 October date is the latest for a Kirtland's Warbler on the breeding grounds. Mayfield (*The Kirtland's Warbler*, Cranbrook Institute of Science, 1960) states: "... the majority leave [the nesting region] in the first week of September; and . . . they become rare after the middle of September, although an occasional straggler may remain until late in the month." The previous late dates were 29 September 1975 (Schempf, P. F., *JPW* 54:40, 1976) and 29 September 1987 (Sykes et al., ms. in press, *Wilson Bull.*).

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—Sykes: U.S. Fish and Wildlife Service, Patuxent Wildlife Research Center, Southeast Research Group, School of Forest Resources, The University of Georgia, Athens, GA 30602.
 Munson: U.S. Forest Service, Huron National Forest, Mio Ranger District, 401 Court Street, Mio, MI 48647.