

Three Long-Distance Recaptures of Rufous Hummingbirds that Overwintered in the Southeastern United States

Rufous Hummingbirds (*Selasphorus rufus*) breed from the Pacific Northwest north to Alaska, with the majority migrating to Mexico for the nonbreeding season. However, the species was first documented overwintering in the southeastern United States in 1909 (Conway and Drennan 1979). Hill et al (1998) investigated the increase in the numbers and distribution of Rufous Hummingbirds (hereafter, Rufous) in five states of the Southeast during the 1990s. A study of wintering hummingbirds from 1998 to 2008 in Alabama and Florida (Bassett and Cubie 2009) found Rufous to be the most common species (824 of 1,598 individuals or 51.6 %).

A total of 37 short to medium-distance recaptures of Rufous (53 to 1,437 km) were documented by Bassett and Cubie (2009). The only long-distance recapture of a southeastern Rufous reported to date in the literature was a male banded in Baton Rouge, Louisiana on 5 December 2000 and recaptured in Black Creek, British Columbia on 19 May, 2001, a straight-line distance of 3,517 km (Finlay 2007).

Here we report on three long-distance recaptures (5,632 km, 3,621 km, and 3,106 km) of Rufous that overwintered in Florida or Alabama.

The first bird was a second-year female Rufous banded at a private residence in Tallahassee, Florida by Fred Dietrich on 13 January 2010. On 28 June 2010, she was recaptured by Katherine McLaughlin in Chenega Bay, Alaska, a straight-line distance of 5,632 km. This is the longest distance between banding and recapture for any hummingbird species. She did not return to the home in Tallahassee, or to the location in Alaska, in subsequent years.

The second Rufous recapture was an adult female banded in Dunster, British Columbia on 19 July, 2011 by Curtis and Bonnie Culp. The bird was recaptured by Fred Bassett on 28

December 2011, in Foley, Alabama, a straight-line distance of 3,621 km between banding and recapture. The bird returned to the same residence the following winter and was recaptured again on 19 December 2012. She did not return to the yard in Alabama during the winter of 2013-2014.

The third recapture was a second-year male Rufous banded by Fred Dietrich in Tallahassee, Florida on 20 January 2014. The bird had completed approximately 70 percent of its flight feather molt when it was captured. It was color marked with a pink dot on the forehead, and was observed in the yard until the first week in February. It was recaptured by Katie Allen in the Tijuana River National Estuarine Reserve near Imperial Beach, California on 17 April 2014, a straight-line distance of 3,106 km.

The female Rufous recaptured in Chenega Bay, Alaska, on the west side of Prince William Sound, was likely at or near her breeding grounds. In their study of migratory connectivity in Rufous using feather deuterium, Moran et al (2013) suggest it is not likely that Rufous overwintering in the southeastern US come from the far western breeding grounds. However, this female Rufous clearly did. It is not known whether the second recapture, the female Rufous banded in Dunster, British Columbia, was a breeding bird at that location or a migrant. She did, however, demonstrate strong site fidelity to her wintering location.

The third Rufous is more of a puzzle, although it is possible the immature male was returning to the species' traditional spring migration route, which is north along the Pacific Coast. The migration of Rufous from their breeding grounds to Mexico and back has been well documented (Phillips 1975, Healy and Calder 2006) with most birds following a southeast-west-northward elliptical path. Among Rufous wintering in the Southeast, Bassett and Cubie (2009) documented five birds that moved west in the late winter/early spring. These individuals were

banded in Florida or Alabama and recaptured in Louisiana. There are no spring recaptures of Rufous moving north or northwest out of the southeastern US.

ACKNOWLEDGMENTS

We thank the banders who shared data with us: Katherine and Andy McLaughlin, Curtis and Bonnie Culp, and Katie Allen, as well as the homeowners who allowed us to band at their residences: Pam Flynn in Tallahassee, Florida, Cindy Walker in Foley, Alabama and Roy Young in Tallahassee, Florida. We also thank Bob and Martha Sargent for their long-time support. This research was funded by Hummingbird Research, Inc. and the Hummer/Bird Study Group.

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