**Rufous Hummingbird (*Selasphorus rufus*) 173 Newport St., Arlington, Middlesex County, MA 16 November 2014**

**Data:**

The hummingbird was captured in a Sargent trap and the following measurements were taken with bird in hand at 1400 on 16 November 2014. U S F&W band # 5100-65329 was placed on right tarsus.

Wing chord: 44.6 mm Tail length: 27.0 mm

Width rectrix #1: 8.6 mm Exposed culmen: 18.2 mm

Width rectrix #5: 3.6 mm Mass: 3.6 g

Emargination rectrix #2: both sides with longest side measuring 3.2 mm

Subcutaneous fat: Layer of visible fat in furcular hollow, some on abdomen for fat score of 2 (based on MAPS criteria).

Bill was smooth except for striations visible on <10 % of the inner upper mandible (Pyle 1997). Rufous coloration visible on flanks; bronze-green upperparts; uppertail coverts slightly tinged rufous, r1 almost entirely green, with a dusky tinge to base; whitish throat with faint greenish-bronze spotting and ~ 15 orange-red feathers centrally located; green to dusky rectrices with rufous on basal half of feathers (r2-5) and white tips to outer 3 tail feathers. Emargination was visible on both sides of r2.

**Discussion:**

This bird was aged as AHY due to a limited amount of striations visible on upper mandible, shape of r2, and numerous gorget feathers. She was sexed as female due to long wing chord, long bill, and orange-red gorget feathers on the throat centrally located.

Wing chord of 44.6 is too long for *S. s. sasin,* but fits females of *S. rufus* and *S. s. sedentarius* (Stiles Table 1, 1972)*.* Tail length is too long for *S s. sasin.* and exposed culmen fits all three*.* Width of both r1 and r5 fits female *S. rufus*, but too wide for *S. S. sasin and S. s. sedentarius* . The shape of r2 is similar to Fig. 3Ac left side (Stiles 1972) for adult female *S. rufus.* The shape of r2 and the width of r5 all point to *S. rufus.*

**References:**

Pyle, P. 1997. Identification Guide to North American Birds. Part I. Slate Creek Press, Bolinas, CA.

Stiles, F. G. 1972. Age and Sex Determination in Rufous and Allen *(sic.)* Hummingbirds. Condor 74: 25-32.

Williamson, Sheri L.2001. Hummingbirds of North America. Houghton Mifflin Company. New York, New York.

Respectfully submitted,

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