Metadata S1

1. Authors title and journal of main manuscript:

Brooke E. Crowley, Clément P. Bataille, Bruce A. Haak, Kaitlin M. Sommer

“Identifying nesting grounds for juvenile migratory birds with dual isotope: an initial test using North American raptors”

*Ecosphere*

1. Title for the data set or code file:

Data S1

1. Author and address of the data code:

Dr. Clément Bataille

Department of Earth and Environmental Sciences, University of Ottawa, Advanced Research Complex, 25 Templeton Street University, Ottawa, ON Canada, K1N 6N5

Department of Biology, University of Ottawa, Gendron Hall, 30 Marie Curie, Ottawa ON Canada, K1N 6N5

1. List of files in the dataset or code:

Data S1 is a zipfile that contains the following files:

- R script used to generate isoscapes and predicted geographic assignments

- TableS1.csv: The hydrogen isotope known-origin dataset. This dataset includes data collected in this study as well as data compiled from the literature

- TableS2.csv: The strontium isotope known-origin dataset. This dataset includes only data collected in this study

- TableS3.csv: The unknown origin dataset formatted for R

1. Description of how the files are to be used:

Data S1 should be opened in R. The data in the local validation and unknown origin datasets are loaded and used at different points in the script. The code in Data S1 contains comments that clarify where this happens as well as the overall flow of the script.