



University of
New Hampshire

Fall 2022 Environmental Sciences Seminar Series

Wednesday, September 21

2:30-3:30pm

James Hall, G46

Effects of Noise, Light, and Landscape on Birds in a Recently Urbanized County



Dr. Karina Sanchez

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University of New Hampshire

Anthropogenic activities are drastically and rapidly altering ecosystems. Research has found that urban environments support less biodiversity than non-urban environments. This work has resulted in a surge of research into the mechanisms to why biodiversity is lower in urban areas. To investigate potential mechanisms, we used three key urban characteristics; noise, light, and landscape composition to study the effects of urbanization on avian species. We test the overarching hypothesis that urban land characteristics alter

avian community structure and more specific hypotheses regarding how each factor (noise, light, or landscape composition) might contribute to individual reproduction and singing behaviors differently in biologically meaningful ways.

Hosted by Dr. Rebecca Rowe, Associate Professor, Natural Resources and the Environment. Series sponsored by the Natural Resources and Earth Systems Science (NRESS) Ph.D. Program, in partnership with the Earth Systems Research Center, and the Natural Resources and the Environment and Earth Sciences Departments.