

# Pre-breeding migration strategies of mallards wintering in the Mississippi Alluvial Valley

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## BACKGROUND

Pre-breeding (spring) migration is a crucial time for waterfowl, yet stopover ecology and migration strategies are the least studied aspect in the otherwise well-studied

## OBJECTIVES

1. Describe spring migration chronology of wintering mallard populations across three states in the Mississippi Alluvial Valley
2. Examine behavioral and spatial migratory patterns among wintering mallard populations in the context of time-minimization and energy-maximization migration strategies

## PROPOSED METHODS

## EARLY CONCLUSIONS

## MANAGEMENT IMPLICATIONS