

## Introduction

Mantled Howler Monkeys, *Alouatta palliata*, are an important part of the rainforest. They help to germinate and disperse seeds in the area by eating large quantities of leaves and fruits in the trees and through their excrement are able to disperse those seeds. Their diet consists mostly of leaves and therefore they have to eat large quantities of leaves for them to get the necessary nutrient requirements. So to preserve their energy they call to locate other troupes of mantled howlers and feed in different areas .



## Methods

To learn more about the pattern of the mantled howler monkey's calling throughout the day, I recorded the time and length of the howler monkey's bouts. This information will help us know when the howlers are on the move and can help those giving tours know when and where the howler monkeys are throughout the day.

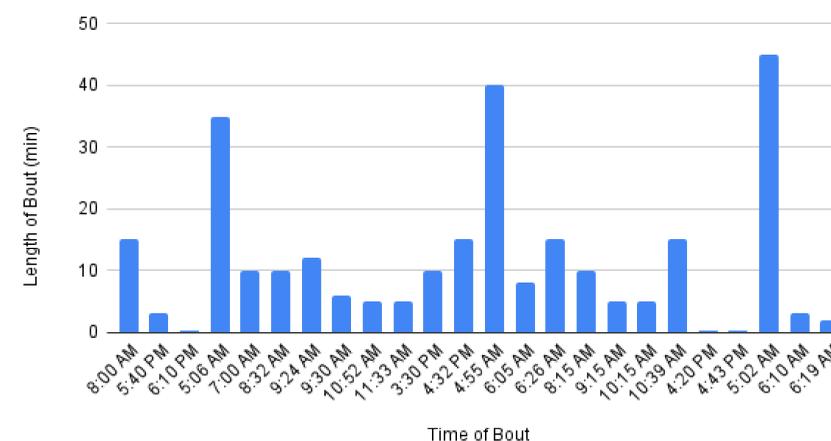
## Acknowledgments

I want to acknowledge the help of Dr. Kimberly Sullivan and Jessica Murray for helping me with my project. I also want to credit these photos to Megan Kast.

## Results

After Collecting the data, I found that the howlers call for longer periods of time around 5:00 AM. They also call more frequently in the morning than they do in the afternoon and evening. Around noon there were no calls. This pattern of calls may be due to them looking for places to eat in the morning and communicating that information to other troupes. Throughout the day they may need to move again a little bit for more food. The time they spend not calling, they often spend eating or sleeping.

Bout Length of Howlers



Average Bouts Per Hour

