Paper outline:

Abstract

Intro:

* Passive acoustic monitoring for RW
* Existing automated solutions, problems with pitch trackers on our high mooring noise. Random forest compares positives and mitigate common error with pitch tracker
* Easy to review results in Raven pro, which many have familiarity with
* Adjustable Raven detectors, detection criteria, and classification method (num/type of features for random forest, possible to use different model). Flexible, lots of ways to customize to different recorders/regions.
* May be a solution for areas where local interference can confuse existing pitch tracking method.

Methods:

* Designed workflow roughly around flightcallr paper. Visualization 1: workflow flowchart
* Raven detector
* Algorithm to combine and filter detections
* Random forest model