

# Bioacoustics and Bird Team - February 24th, 2017

Bioacoustics focuses in the recording of species, no matter whether it's terrestrial or aerial.

The Bioacoustics and Birds Team uses a software called Raven Pro Software to check the highs and lows of the recordings. It keeps the awareness of the sound to be below 12 gain.

## Materials:

In bioacoustics is important to have quality audio equipment to have an optimal sound recording of the animals.

1. Parabolic Dish (Telinga Pro Universal ME)
2. Long shotgun Microphone (Sennheiser ME67)/Windshield (Rycote Softie)
3. Omnidirectional Microphone Capsule (Sennheiser ME62)
4. Headphones (Sony MDR-7506)
5. Digital Audio Recorder (Marantz PMD 661 MKII)

## Setting Up:

1. Set up the digital recorder by turning it on.
2. Once it's powered on, proceed to insert the headphones in the "phones" plug of the recorder.
3. Next, grab an omnidirectional microphone and insert it inside the parabolic dish. Check that the microphone is not fully inserted, thus there need to be a space between the surface and the microphone (quarter of finger)
4. Proceed to connect the parabolic dish in the digital recorder in the mono setting.
5. Press the "Rec" button for a test check.
6. Once everything is settled, it is ready to record data!

## Methods:

1. Target a sound and listen for a bit to find the area where its sound is the strongest
2. Recommended to take safety recordings.
3. Begin approach while still recording
4. Mind the gain. Make sure it's not above 12 gain, if so, turn down.
5. Once the recording is finished, begin closing statement by naming the species (if identified), date and time of day, location, habitat description, and the distance to the animal.

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