

## Equipment Specifications

Apple Macintosh Computer as recorder (using Raven/Audacity)	44.1 kHz, Hamming window, 1024 FFT
Zoom recorder	Zoom H1n 24-bit/96kHz Digital Recorder
Hydrophones	CRT-SQ26-01 (Cetacean Research Technology, Seattle, WA) with an effective sensitivity of -169 dB, re 1 V/ $\mu$ Pa and an effective frequency range of 10 Hz to 50 kHz.
Lubell Underwater Speaker LL916 (cage mounted)	Frequency Response: 200Hz - 23kHz (500Hz-21,000Hz +/-10dB) Maximum Output Level: 180dB/uPa/m @ 1kHz Maximum Cable Voltage/Current: 20 Vrms / 3A (100% duty cycle) Recommended Amplifier Power: 78 watts @ 8 ohms (25 Vrms) max Operating Depth Range: 1 meter - 18 meters Operating temperature: 0°C - 41°C (32°F - 105°F)