

What does this sound mean to you?



What if I told you...

- that this sound was recorded in a place intended for learning?
- that people come to this place expecting to have fun?
- that this sound holds opposite meanings for many of those people?

How would all of these things affect your approach to exploring acoustics in this kind of environment?







The Sound Travels project

Through a combination of traditional research and practice-based exploration, we are investigating how sounds around us (soundscapes) impact people and their learning in spaces like parks, zoos, and science centers.





DRL AISL #2215101

Our research questions

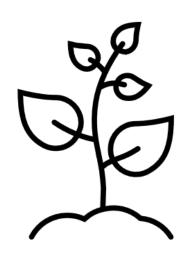
R1: How are soundscapes used by informal science learning (ISL) practitioners?

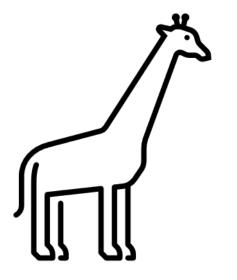
R2: What are the qualities of soundscapes at different ISL sites?

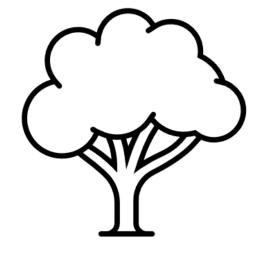
R3: How do informal learners at ISL sites experience sound? To what extent does sound impact attention attraction, dwell time and shared learning in these learners?

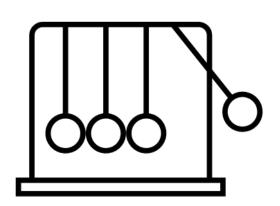
R4: How do qualities of the soundscape correlate with indicators of learning: attraction, attention maintenance, and shared learning?

Our research contexts







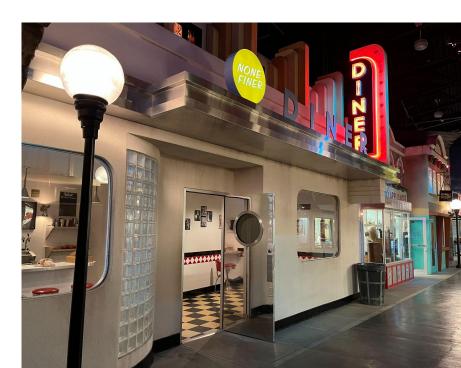


Rigor, usability, and value

visitor-facing data collection means thinking about...

- unique visitor experience of each site
- interests and needs of partners
- aggregating data across sites and methods, including technical study of sound





Photos courtesy of Martha Merson and Laura Weiss

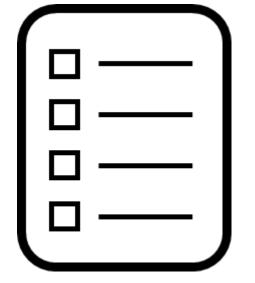
Collecting data at project sites

What we've done so far:

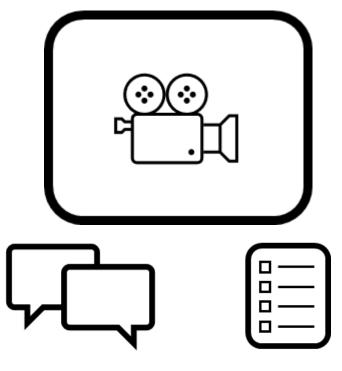
Ambient recording



Visitor questionnaire

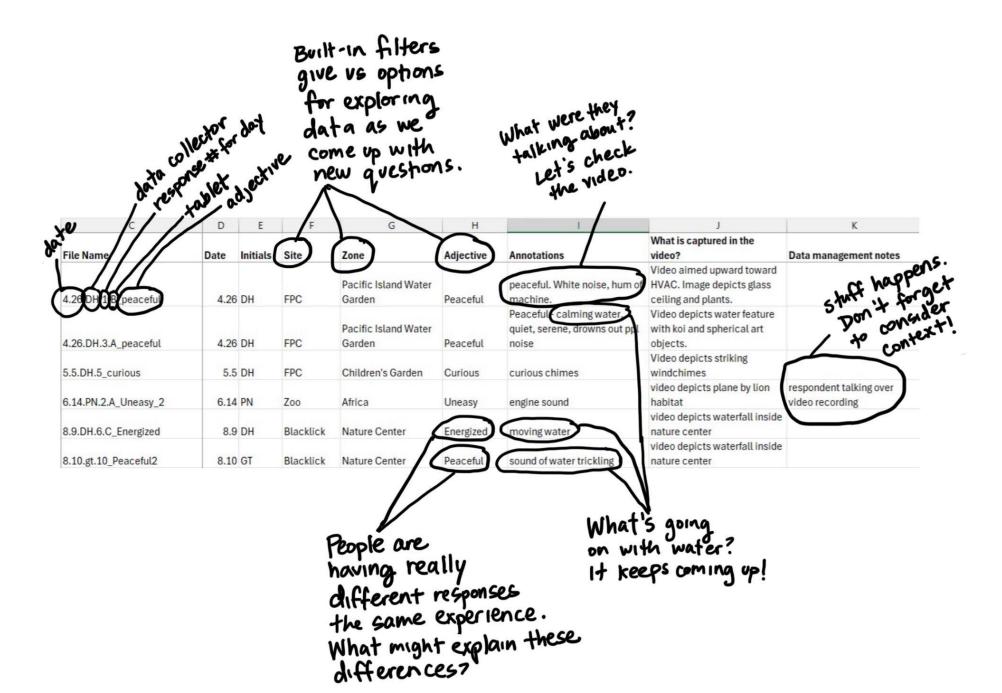


Sound Search protocol









Making sense of culture and sound

- deductive coding about <u>how people describe sound</u>
- inductive coding about the <u>sound sources</u> people identify
- triangulating individuals' qualitative and quantitative responses
- exploring patterns: relationships between variables, common themes across adjectives, common themes across sites and zones

We would like to acknowledge and thank...

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and our advisory team



NORTH PARK VILLAGE
NATURE CENTER



Get in touch!

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https://www.terc.edu/soundtravels

You can also find our work in the community repository on informal science.org!