



Listen Up! Discovering and Researching Alaska's Soundscapes Through Community and K-12 Outreach

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SOUNDS

- Think of a sound – that elicits an emotion, either positive or negative
- Think of your favorite place – what sounds represent that place
- Listen









NORTHERN NARRATIVES PROJECT



The Anchorage Museum created a K-12 outreach program connecting schools across the state in a yearlong study of Alaska's diverse and changing sonic environments through the field of soundscape ecology. The museum partnered with five schools representing distinctive Alaskan environments, and worked with classes in the focused age group of middle to high school students.



This project was developed as a portion of a broader project called Northern Narratives which created curricular content focused on the cultures and environments of Alaska through the development of digital resources, programs, and professional development opportunities. This project was funded through the Hearst Foundation, Atwood Foundation and Alaska Humanities Forum.

SOUNDSCAPE ECOLOGY



The scientific field of soundscape ecology observes the composition and dynamics of sound in an environment in order to understand relationships of the organisms and natural processes in that environment.



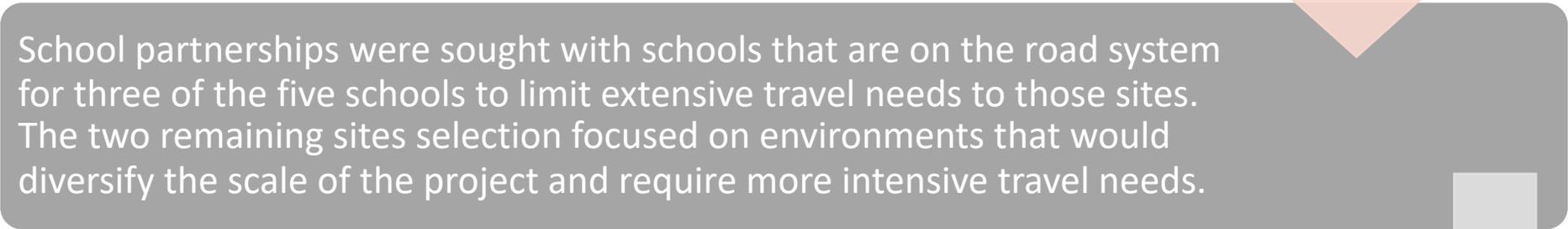
A soundscape is comprised of all the sounds in a given location. Soundscape ecologists organize these sounds into three categories: biophony, sounds made by living things, geophony, sounds produced by the earth, and anthrophony, sounds which are human made.

SITE INFORMATION AND SELECTION CRITERIA

The project represented a diversity of environments through the school site selections.

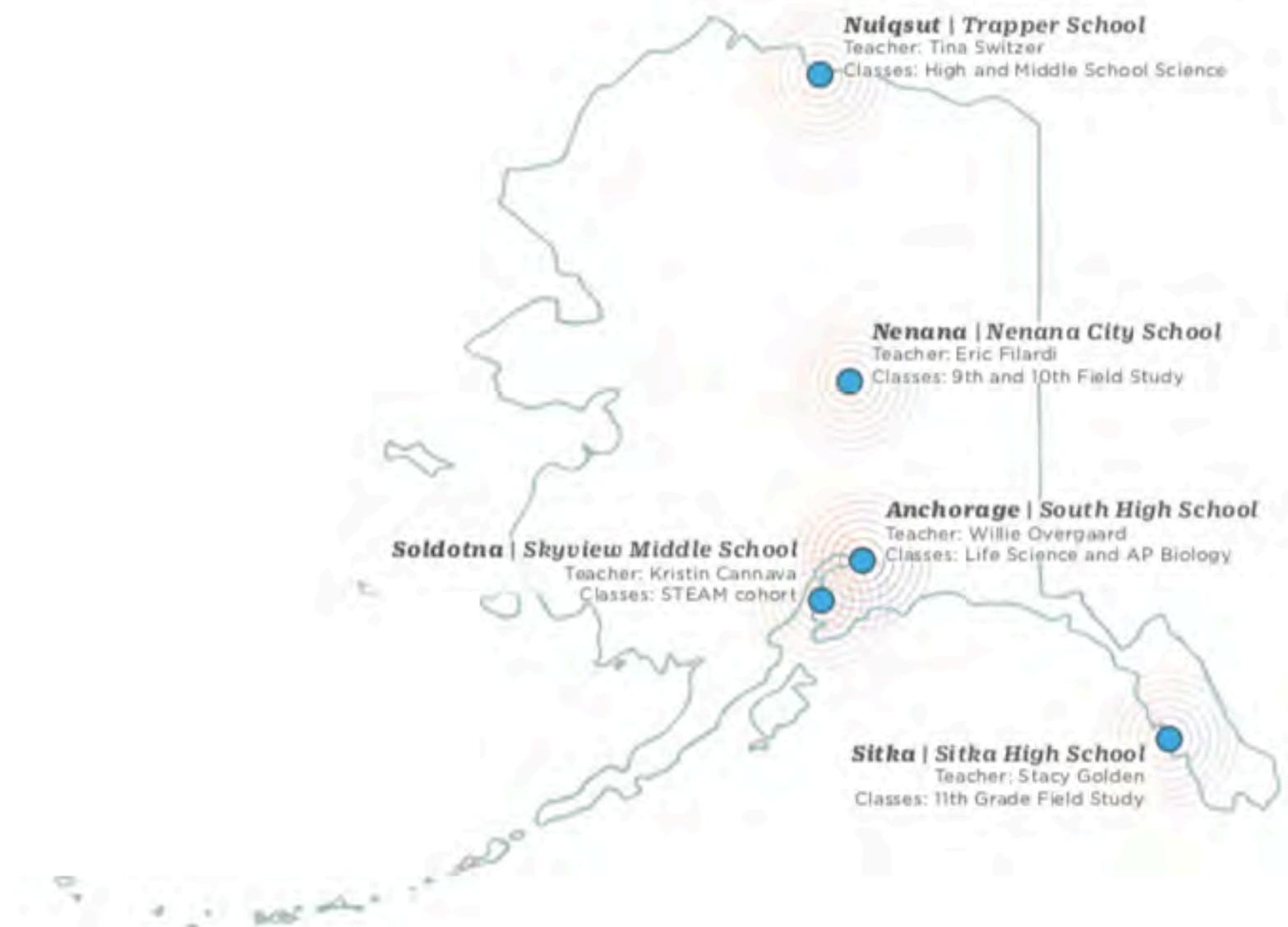


School partnerships were sought with schools that are on the road system for three of the five schools to limit extensive travel needs to those sites. The two remaining sites selection focused on environments that would diversify the scale of the project and require more intensive travel needs.



Following established physical scope, final school selection was determined through the process of finding a middle school or high school class with a teacher interested in participating in the partnership.

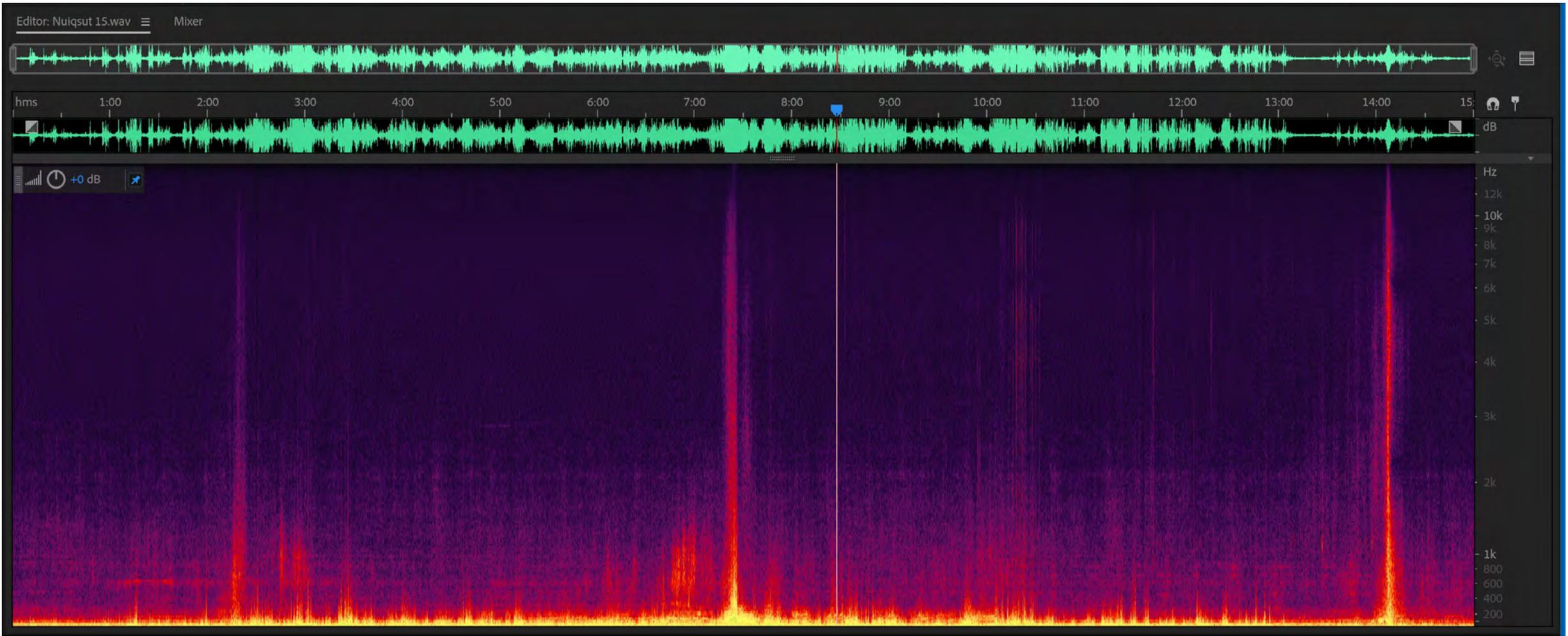






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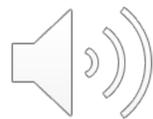
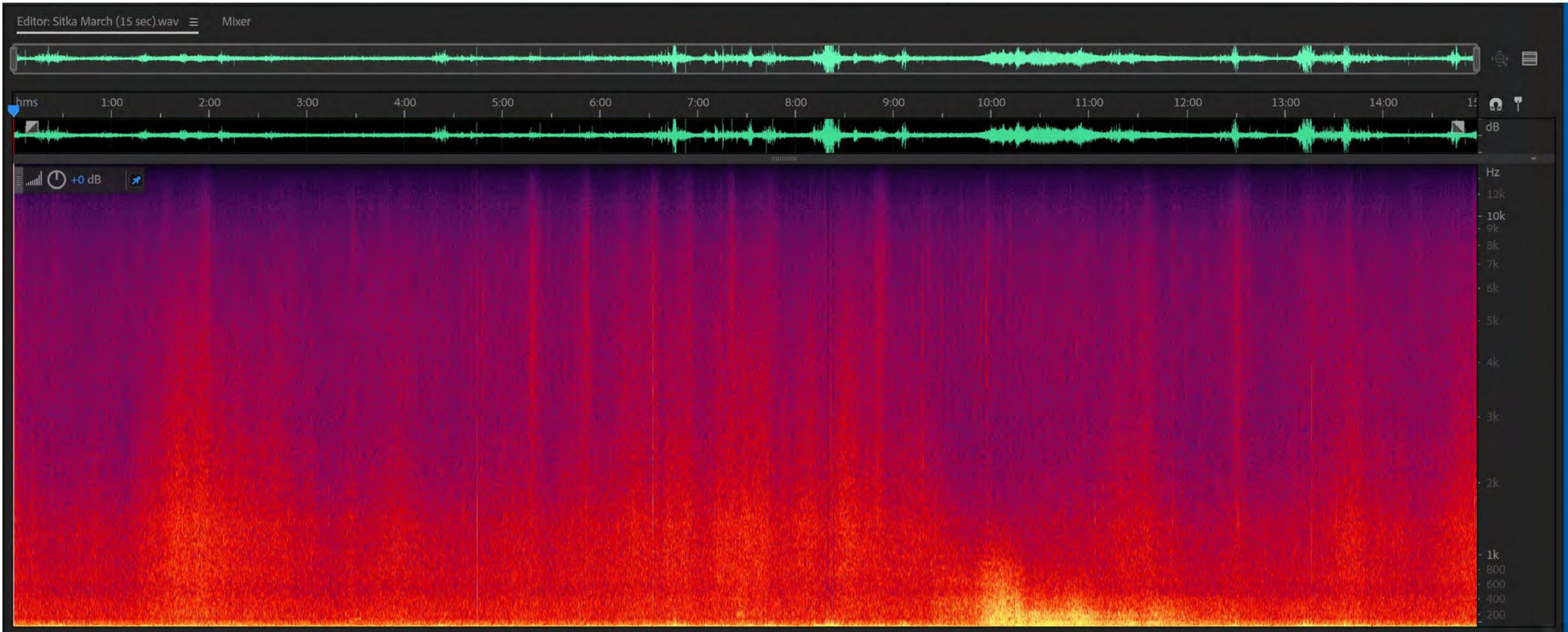


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SITKA



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EQUIPMENT

Sm4 Bioacoustics Recorder by Wildlife Acoustics

SMM_A2 External Acoustic Microphone with cable attachment

Yeti Cooler

External 12V cold weather AMG battery

Battery Charger

Cooler locks and cable locks

Six 128GB SD cards

Prepaid postage envelopes

Write in the Rain Notebook

Classroom set of headphones

External hard drive





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SOUNDSCAPES AT THE MUSEUM

ANCHORAGE MUSEUM





T. Hill
1891



ANCHORAGE MUSEUM





ABOUT THE EXHIBITION

LISTEN UP : NORTHERN SOUNDSCAPES

On view April 2 - Oct. 3, 2021



SOUNDSCAPE CURRICULUM

ANCHORAGE MUSEUM

VISIT EXHIBITIONS PROGRAMS MEMBERSHIP & DONATIONS COLLECTIONS ABOUT US SHOP



SOUNDSCAPE: ART AND SOUND

Discover the scientific field of soundscape ecology with visual arts by examining visual representations of the dynamic soundscapes of Alaska.



SOUNDSCAPE: INTRO TO SOUND

Examine the scientific field of soundscape ecology and how to utilize the sense of hearing to better understand natural environments.



SOUNDSCAPE: SENSE OF PLACE

Discover the concept of sense of place through the use of the five senses.

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NEXT STEPS



WEBSITE DEVELOPMENT

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VISIT EXHIBITIONS PROGRAMS JOIN & GIVE COLLECTIONS ABOUT US

SEARCH OUR COLLECTION OF CURATED FIELD RECORDINGS

Sound Source

Sound Type

Location

Sound Description

Here are your results:

CLIP 1

Sound: bird
Description: unidentified bird
Where: Sitka
When: 1/7/2019 18:23:40
Sound Source: Biophony



CLIP 2

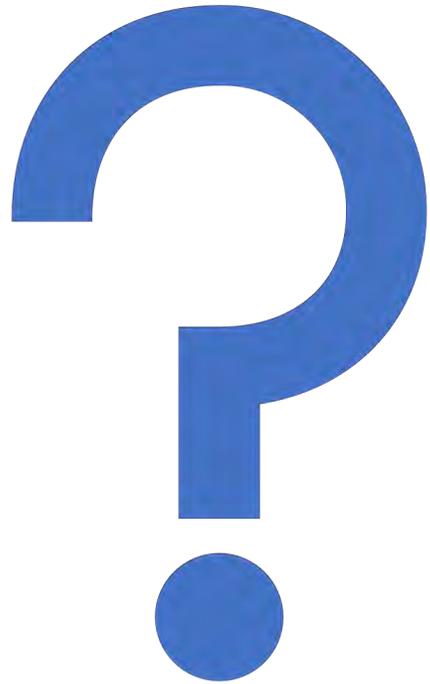
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NEXT STEPS CONTINUED...

- Expanding website to include a community science component
- Creating new recording sites with community partners
 - Looking to deploy recorders in Homer with AK Coastal Studies Center
- Continue to record at some of the sites to maintain long term record to see how soundscapes are changing over time
- Expand visibility of soundscape work at the Anchorage Museum with hands on exhibits, planetarium shows and programs





QUESTIONS?



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