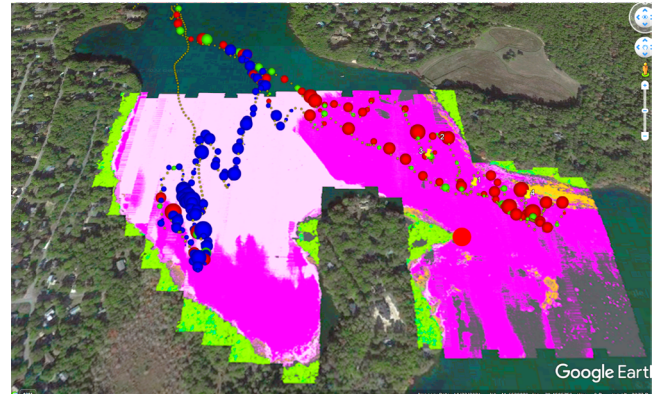**SCAN ME**

Harmful Algal Blooms
Early Detection using Hyperspectral Imaging from a Lightweight UAV

SUMMARY

- Exposure to cyanobacteria (blue-green algae, harmful algal blooms (HABs)) can harm both humans and animals.

- HABs have different photosynthetic pigments than normal algae.

- Hyperspectral imaging can distinguish SPECTRA in different pixels.

- Work with experts to get ground truth to test this detection method.

- UAV allows for optimal balance of resolution and capture area.

- HSI can be used to identify and quantify Harmful Algal Blooms.

- Prompt identification can improve efficacy of mitigation strategies.

Headwall

REV325