Identifying, harvesting, and treating harmful algae blooms (HABs) is the ultimate goal of the BE Capstone Design team for 2017. BE students including Ammon Hooper, Ammon Balle, Bethany Jensen, Kyle Hillman, and Jeffrey Jarman took water quality measurements at Scofield Reservoir to gather baseline data in anticipate of an intensive and comprehensive reconnaissance and sampling event in mid-September that will test the "HABs Harvester" current under design/build activity.

The project is partially supported by the Utah Water Research Laboratory and the Huntsman Environmental Research Center at Utah State University.

The goal of the Capstone Design Project is the design of an efficient harvester for removing potentially harmful microalgae in lakes. This project fits within a broader water resources management plan to characterize and identify HABs early in the bloom process, harvest the potentially toxic algae, and treating the algae in anaerobic digesters at municipal water resources reclamation facilities to accomplish detoxification and to generate bioenergy in the form of biomethane.

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