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Exploring Under Water Environments

Under water environments and the human body are similar in the fact that we are made mostly of water and have a microbiome. Science has mapped the human body, can obtain samples of the microbiome through fecal matter, and convey the information into a readable format. Under water environments have yet to be mapped, this is where SONAR becomes a very helpful tool as it maps the ground below the water. To collect samples a Fifish V6 Expert Drone was used which not only gave us a means of collecting samples but also gave access to exploring the water in a first-person view from the safety of land. Once the samples have been run through an instrument it will provide a text file, converting this file into images through the Qiime2 software gives easy to read and informative graphics such as bar plots.