**Summary of Surveying Work in Malawi**

I spent the summer of 2017 volunteering for a small charity called Fisherman’s Rest in Southern Malawi. The experience was eye opening for a multitude of reasons, and I spent most of my time working with drones to create maps and survey various areas.

My main task in Malawi was to create up to date surveys of a 350-hectare tree nursery. This meant first going out to collect high resolution GPS coordinates of the border of the estate, programming a series of missions for the drone to follow and then using software to stitch the resultant data into as useful orthomosaic map. Working with a small DJI drone was pushing the limits of what it was capable of with respect to endurance and range, and so a series of beyond visual range missions were created.

Having created a workable process at the nursery, I then went to various schools in the area, creating the first accurate surveying work that had been done. The images shown are from a series of maps I created of various places in the area. Chimwabve and Mtemaumo are both primary schools in the Mpemba region, while Kumuzu View is a park managed by the Malawi Forestry Service. In Chimwabve the images were especially useful as while I was there Fisherman’s Rest were in the process of building a secondary school at the site, the progress of which could be compared to the plans from aerial imagery.