

Dana Reed

John Smith asked me to put together a page or two about myself that might help the reader get an idea about my skills and interests. Hopefully I can do this without rambling too much about topics that have driven me for the last couple of decades.

Background:

Bachelors and Masters degrees in electrical engineering from University of Colorado Denver campus

Completed course work for a PhD in mathematics

Systems engineer for multiple aerospace companies in the Denver area from 1986 to 2008

Semi-retired and moved to Maui Hawaii in 2008, continued to consult part time as an engineer

Maui:

Being a perpetual student, I took marine science classes on Maui and joined a couple of groups working to preserve coral reefs. I began to understand what problems needed to be identified and solved to preserve our reefs.

One morning my husband and I saw a particularly large brown water plume in the ocean near our home and began looking into the source. We found the source of the sediment and aided the county and state government in pursuing the developer of new homes on a ridge where they had clear cut a gulch which led straight to the ocean. The developer had to restore the gulch and was fined heavily.

This led to the realization that we needed to have a baseline of ocean water quality data at multiple locations around the island, which led to the formation of a volunteer water quality monitoring program. I was a co-founder and the project manager from 2015 to 2018, also performing the task of the QA officer. Since it's first samples in 2016, the organization has collected and analyzed over 4,300 samples from 52 sites in Maui county.

Pennsylvania:

Bill and I moved to Pennsylvania from Maui in December of 2018 to help my husband's elderly parents.

Both of us continued to help the Maui project from Pennsylvania until November of 2024.

Meanwhile, we became very interested in the Pennsylvania environment, so we applied to the PA Master Naturalist program for the educational and volunteer opportunities. We were accepted and completed the program in December of 2024.

As we explored the Centre county region, we were drawn to Penns Valley and the ChicoryLane Farm. I look forward to becoming more involved and hope my technical background, conservation experience and concern for the environment will be an asset to ChicoryLane.