

## August Update:

My time in Seattle is coming to an end. The summer has gone by incredibly fast. Last week I gave a seminar to the folks at OR&R in Seattle. I talked about my experiences I've had and what I've been focusing on. What I spent the majority of my time on turned out to be something completely unexpected; climate change. I'm looking into decision making surrounding climate change and the potential consequences to waste water treatment plants (WWTP). This is relevant to CRRC because WWTP, municipal or industrial, could cause significant damage to the ecosystem from inadequate treatment. Because of certain stressors brought on by climate change (e.g. sea level rise, storm surges, more frequent storms, flooding, precipitation changes) WWTP are at risk for release of pollution. I am hoping to design a decision tool to be used by city planners, government agencies, or public utilities to address the issues surrounding WWTPs and climate change. I will most likely incorporate some geo-spatial component into my decision tool, such as ERMA (Environmental Response Management Application). This may be an opportunity for a thesis, if it continues to develop. I would not have landed on this topic if I hadn't come to Seattle; for that, and many other reasons, I'm very grateful for my summer internship at NOAA. I will be starting classes September 2 at UNH and continuing to look into this topic of climate change and waste water.

Zachary Magdol