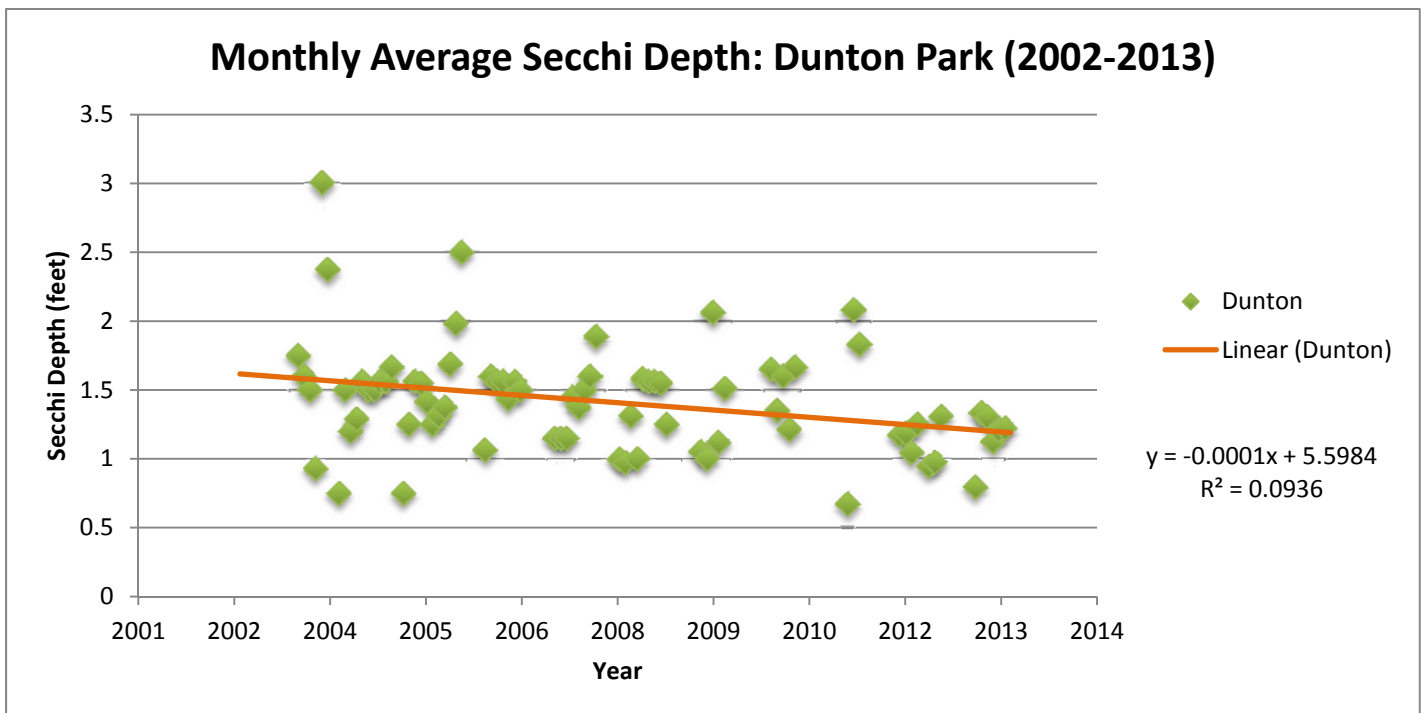
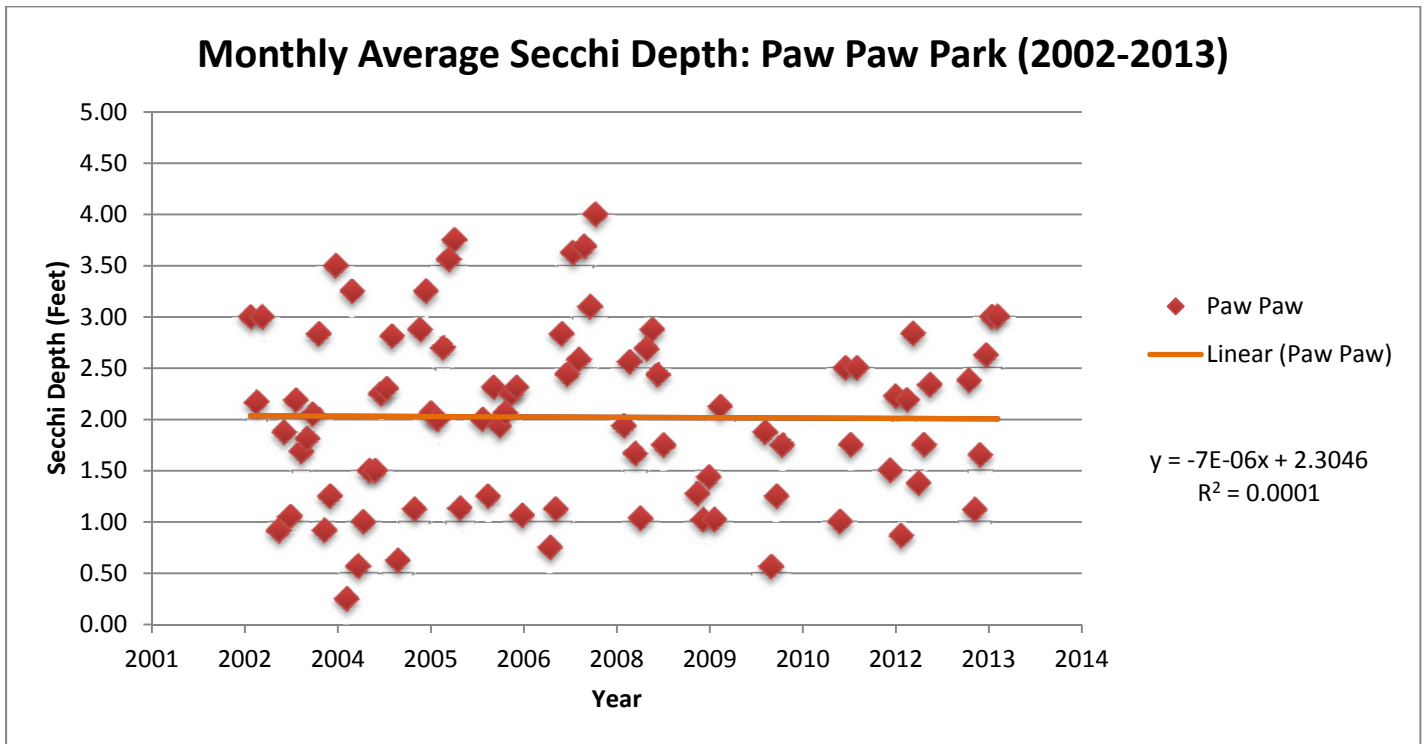
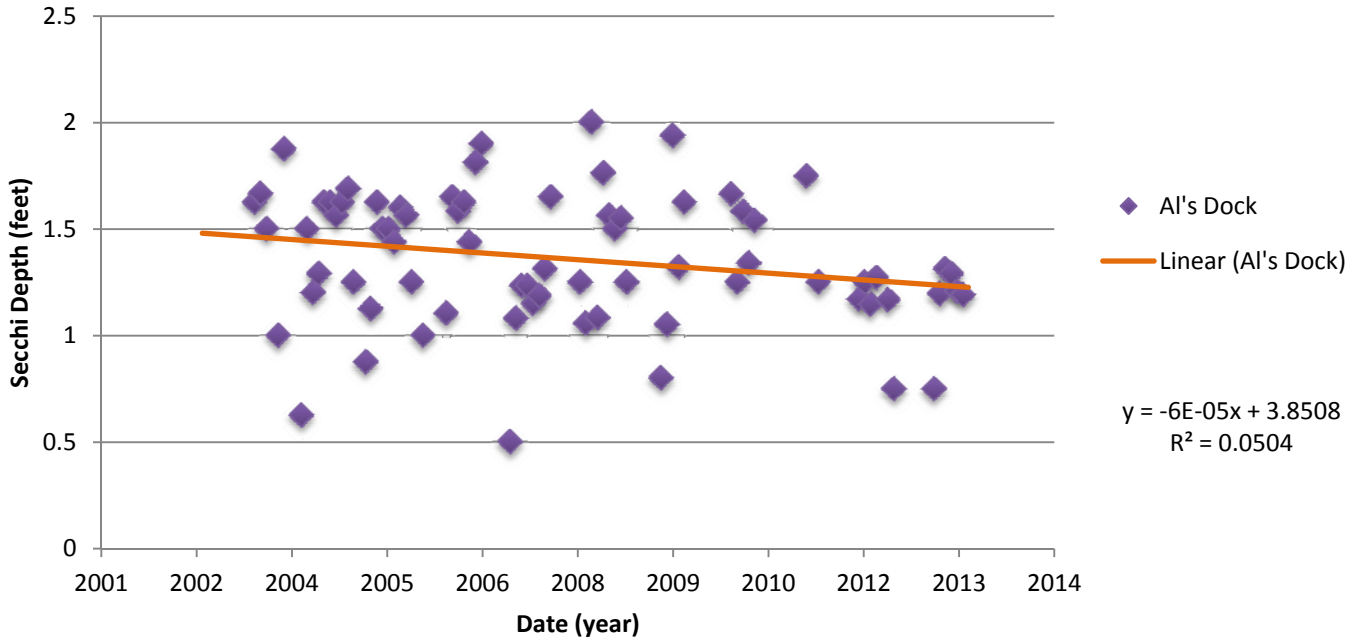


The following graphs represent 12 years of monthly average secchi depth readings at four locations within Lake Macatawa. Secchi depth is a measure of water clarity; essentially how far through the water column light penetrates. A secchi disk is lowered into the water until the black and white sections are not clearly seen. The depth below the water surface at which that happens is the reading that is recorded. The lines on the graphs represent the trend of the data. The equations describe the trend lines and the R2 value indicates the strength of the relationship. The closer the R2 is to 1, the stronger the relationship. Therefore, the relationship between secchi depth and time is not very strong for our data. Overall, the trend lines at all four locations are negative, indicating that secchi depth is decreasing with time. Even though the relationship is not strong, we can still see a general trend that the water is becoming less clear since the secchi depths have decreased.



### Monthly Average Secchi Depth: AI's Dock (2002-2013)



### Monthly Average Secchi Depth: Channel (2002-2013)

