SCBI: Plot Book

Kristina Anderson-Teixeira, Erika Gonzalez-Akre, Stuart Davies, William McShea, Alyssa Terrell, Michael Scott, Caroline Kittle, Ian McGregor

2018

# Chapter 1: Introduction

In 1974, the Smithsonian purchased a piece of land, known as the Remound Depot. Shortly after the purchase, the land became the Conservation Research Center.

# Chapter 2: Physical Environment

This part of the document will be describing the research site. This part should include climate (include graph used in mortality paper), topography (graphs created by Ian), and soil information

# Chapter 3: Methods

For now, this section should only discuss the methods that were used in regards to the five-year recensus and its data management.

# Chapter 4: Tree Species

### Latin Name (Common Name)

Life history (information will be added by Michael)

Leaf traits (written about or scanned and labeled)

Annual Recruitment and Mortality  
# of trees (stems) in 2013 and 2018:  
5-year mortality of trees (stems):  
new tree recuitment:  
max DBH in sample:  
mean DBH in sample:

Graph of recruiment and mortality  
{r echo=false}  
hist()

Graph of species range and distribution

Graph of species range and distribution within the plot (plot location)

Picture of tree cores (with a small blurb)

# Chapter 5: Biotic Drivers of Change

### Invasive Plants

(insert Caroline’s information here - should include description/life history, native range, range in US, spread in pot, and data from the Shenandoah paper)

### Invasive Species and Pathogens

(expand on data found in Shenandoah paper)

### Impact of Deer and Plant Ecology

(Bill’s section)

# Chapter 6: Carbon Cycling

(take it away Krista!)