The datasets referred to in this document are for the paper “**Nitrogen and sulfur deposition reductions projected to partially restore forest soil conditions in the US Northeast, while understory composition continues to shift with future climate change**” submitted to Water, Soil, & Air Pollution.

This data package contains five excel documents: (1) “FIA site deposition”, (2) “Soils data per year by scenario”, (3) “Site CZI in 2100”, (4) “CZI per year by scenario”, and (5) “Relative abundance per year by scenario”.

The “FIA site deposition” lists the estimated depositional values for the major anions and cations deposited each year for each site for each deposition scenario. For site IDs and locations, see Figure 1 and Table 1 in the manuscript. For scenarios, see Table 2 in the manuscript. The “Soils data per year by scenario” provides the base saturation, acid neutralizing capacity, and nitrate leaching values for each site by scenario per year. The “Site CZI in 2100” provides the Czekanowski similarity Index (CzI) for each plot within a given site in the year 2100. The “CZI per year by scenario” gives the median estimated CZI score across all the sites by year. And, the “Relative abundance per year by scenario” provides the estimated relative abundance of each of the 20 functional vegetation groups by year and by scenario.