

## Baseline Survey of *Tradescantia fluminensis* (small-leaf spiderwort) on Cutoff Island

A survey of small-leaf spiderwort was needed to document the current extent and serve as a baseline to for future comparisons. In order to accomplish this, two Florida Natural Areas (FNAI) staff surveyed Cutoff Island on March 29<sup>th</sup> and 30<sup>th</sup>, 2018.

FNAI staff surveyed 413 hexagon plots (20 meter inner radius) across 125 acres and estimated small-leaf spiderwort cover classes using standard Daubenmire cover classes. Of those 125 acres, 80% had some small-leaf spiderwort cover with most of the area (53%) having greater than 25% cover (Figure 1). We found the area to have an average cover of a 44% with a range of 0% to greater than 95% (Figure 2). Although all of the survey area is categorized as alluvial forest, slight differences in topography which increased moisture seemed to exclude small-leaf spiderwort in some areas. Surveyor tracks are provided in Figure 3 below.

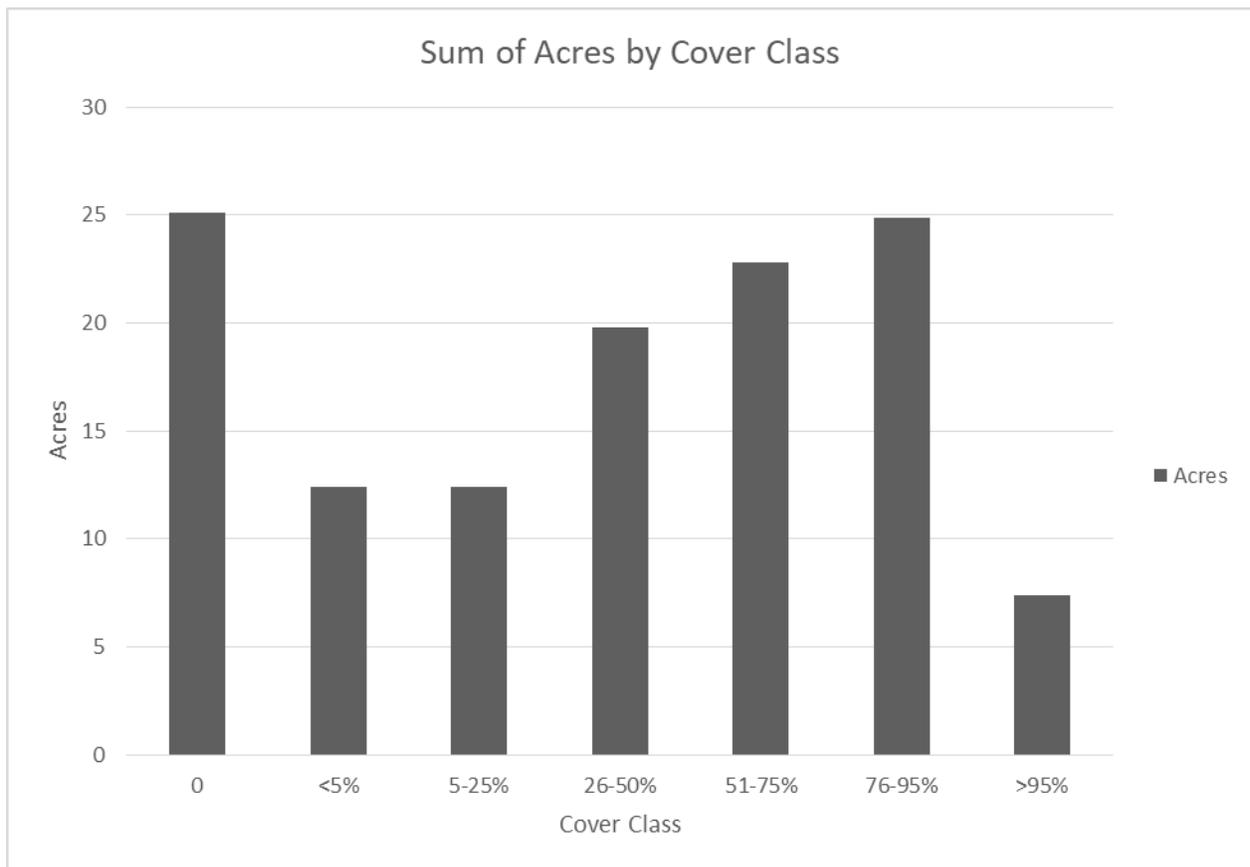
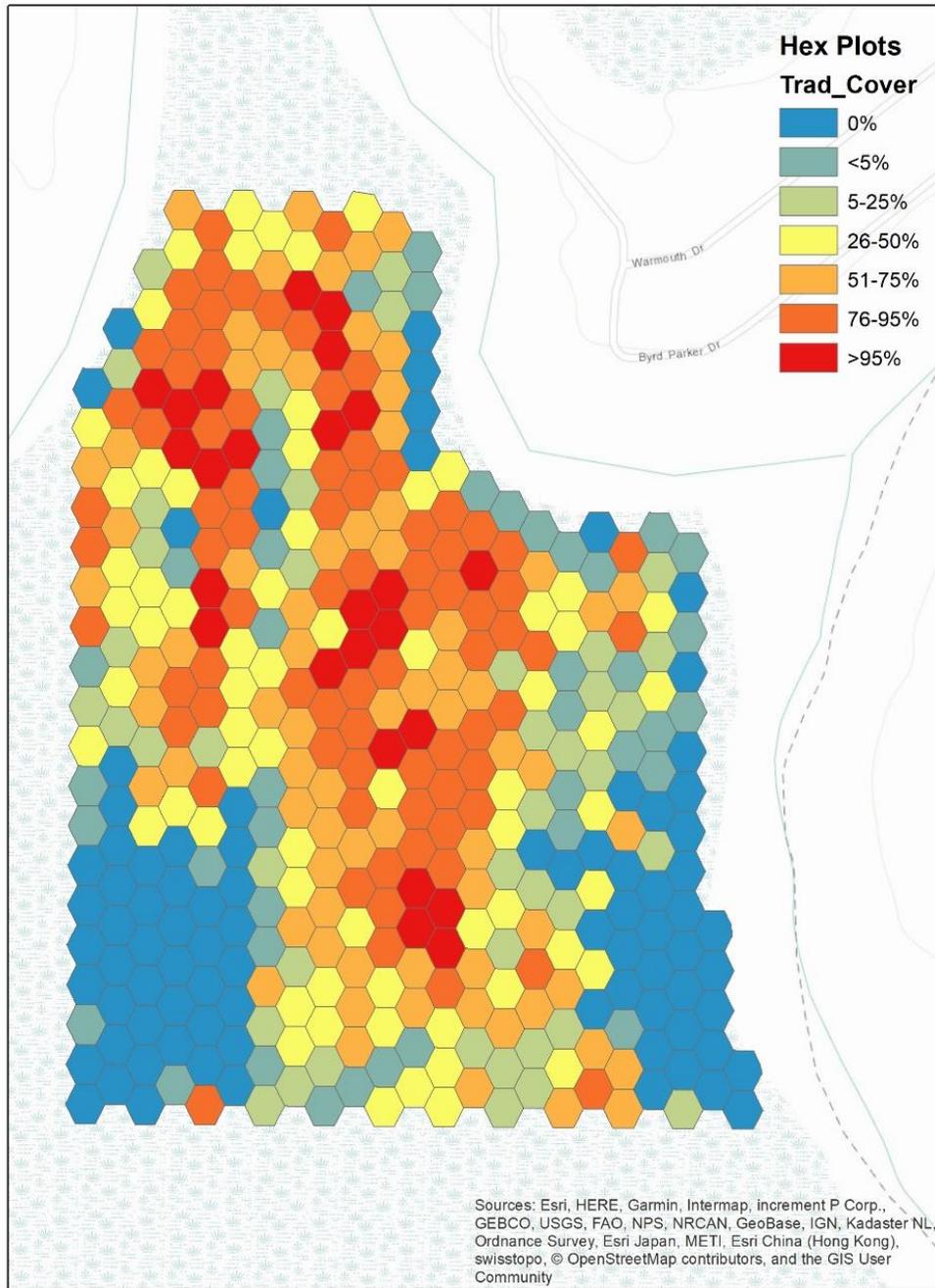


Figure 1: Total Acres of Small-leaf Spiderwort by Cover Class.



**Figure 2: Hexagon Survey Areas and Percent Cover of Small-leaf Spiderwort.**

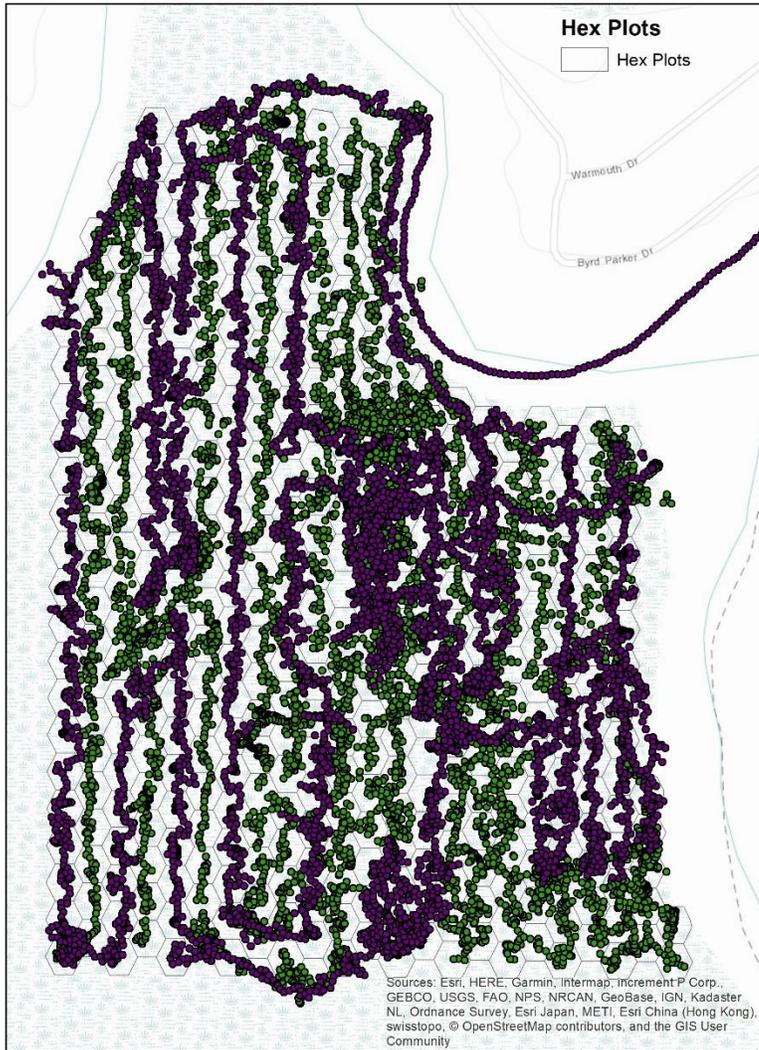


Figure 3: Map of Survey Tracks