NATL Permanent Annual Plant Diversity Inventory & Monitoring Project

The plots are 10m^2 marked with donated scrap metal poles and marked with a GPS. There are 8 upland pine plots and 5 old field plots.

1) Find plot and set up meter tape delineating the outside boundaries.
2) Photograph plot from the middle of the south line facing north.
3) Record information on Excel data sheet. Start with a new excel tab and copy the species data from last year to it. Erase all the other values and enter new ones for this year. If there is a new species insert a line and add it in.
4) Excel sheet:
    a. Don't leave blanks, use (.) in the space
    b. Only list a species one time the first level you see it in
    c. Use UK# for unknown species
    d. Make notes about anything weird or unusual in the plot.
5) Start at the NE corner. Begin with the smallest quadrat (about thumb size) and gradually work through the other nested quadrats. Use the second meter tape to measure and mark quadrat areas as you move outwards.
6) Quadrats:
    a. 0.01m^2
    b. 0.1m^2
    c. 1m^2
    d. 3.16m^2
    e. 10m^2
7) List each species only once. Record Family, Genus, Species, and common name for each species present in the quadrat you're working in. Use the Identification confidence levels and plot levels listed below to further classify the species and its location. Species presence are recorded for all quadrats.
8) Ground coverage (cover values) is measured at the 10m^2 level for each species listed previously. The over story is included but denoted with *over story in the location tab. Coverage doesn't have to equal 100%.
9) For 2019 ONLY, skip the old field plots with the exception of plots A and C as these are now considered pine plots.

Upland Pine Plots	Pine Management Plots	Old field Plots
LP1	Fire + mow	A
LP2	Herbicide	B
LP3	Mow	C
LP4	Fire + herbicide	D
		E

Identification Confidence Level:

1	Unsure of genus
2	Sure about genus, unsure about species
3	Sure about genus, 50% sure about species
4	99% sure about species

Plot Levels:

5	0.1 x 0.1m
4	0.32 x 0.32m
3	1.0 x 1.0m
2	3.16 x 3.16m
1	10 x 10m
0	not rooted but contributes to cover

Cover Values:

1	Trace	6	10-25%
2	<1%	7	25-50%
3	1-2%	8	50-75%
4	2-5%	9	75-95%
5	5-10%	10	>95%

Sample Data Sheet (google file online)

Year	Date	Tag-Plot#	ID Confidence	Family	Genus	Species	Common Name	Plot Level	CV @ 10x10m Level	Location Notes
2018	5/6/18	LP1	3					2	1	