Invasive Species Impact Study Data Sheet

For each different species, count the number of organisms (number of different plants). Space is provided to draw each plant so that you do not double count species.

**Unrestored Plot:**

Plant 1: _______  Plant 2: _______  Plant 3: _______  Plant 4: _______

Plant 5: _______  Plant 6: _______  Plant 7: _______  Plant 8: _______

Simpson’s Index of Diversity

\[ 1 - \sum \left( \frac{\text{The number of plants of each species}}{\text{The number of total plants counted in the plot}} \right)^2 \]

**Restored Plot:**

Plant 1: _______  Plant 2: _______  Plant 3: _______  Plant 4: _______

Plant 5: _______  Plant 6: _______  Plant 7: _______  Plant 8: _______

Simpson’s Index of Diversity

\[ 1 - \sum \left( \frac{\text{The number of plants of each species}}{\text{The number of total plants counted in the plot}} \right)^2 \]
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1) How many species did you find in the non-restored plot?

**Species Richness (S) = ____________**

2) Draw the most common plant.

3) About how much of the plot is covered in this plant?

___________ %

**Simpson Index of Diversity (D)**

1 = perfect diversity  0 = no diversity

Unrestored Plot: ________________  Restored Plot: ________________

4) How many species did you find in the restored plot?

**Species Richness (S) = ____________**

5) Draw the most common plant.

6) About how much of the plot is covered in this plant?

___________ %

7) Which plot is more biodiverse (has more different kinds of plants in it)? Why do you think that this is the case?

8) Which plant(s) do you think are invasive species?

9) In what ways do you think invasive plant species affect the river?