Ground truthing

Create 20 – 30 plots across the range. Accessible areas only.

400 sqm each (20 m x 20m).

Use a GPS (Trimble) to determine the location of all mesquite shrubs within each plot

Run an accuracy assessment comparing classified imagery generated for the plot and for predictions via the XGBoost environmental model.

References:

<https://www.sciencedirect.com/science/article/pii/S0034425704002147>

<https://www.sciencedirect.com/science/article/pii/S1550742416300872#f0005>

<https://www.sciencedirect.com/science/article/pii/S1550742416300616#f0015>

<https://www.mdpi.com/2072-4292/14/15/3780>

Other, less relevant citations:

<https://www.sciencedirect.com/science/article/pii/S0140196319300655#fig2>

<https://bioone.org/journals/the-southwestern-naturalist/volume-55/issue-4/KF-10.1/Vegetative-Characteristics-of-Active-and-Abandoned-Leks-of-Lesser-Prairie/10.1894/KF-10.1.full>