SAMPLR SUMMARY REPORT

This report provides several metrics of interest from the sampling stage of the PEM process, including comparisons of planned samples versus actual samples and various metrics on collected points. More details on the data, methodology, and results from the samplR workflow can be found in the [PEM Manual].

Below is a map of the sample plan for the AOI. The sample plan is generated by first developing landscape-level covariates (e.g., biogeoclimatic zones, topographic indices) at a 25m resolution to ensure environmental variability is captured. A cost layer is then created using road networks and terrain difficulty, assigning higher costs to inaccessible areas and recent disturbances. Using these inputs, Conditional Latin Hypercube Sampling (cLHS) is applied to distribute sample points efficiently while maintaining environmental representation, ensuring sites are at least 1000m apart. Paired transects are generated for each site, selecting the most cost-effective transect option based on terrain and accessibility. Finally, the selected sample plan undergoes manual review, with potential site replacements if accessibility issues arise.

The following table summarizes the sample plan for this AOI.