Tables for MS

D. Craven et al.

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**Table 1.** Summary of number of plots, sampled area, and environmental conditions across forest plots in the Hawaiian archipelago.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Islands | Plots (#) | Sampled area (m2) | Individuals (#) | MAT (C) | MAP (mm yr-1) | PET (mm yr-1) | PET range | Max. elevation (m) |
| Hawai’i Island | 323 | 248442 | 13479 | 18.9 | 3320 | 1239 | 443 | 2699 |
| Kaua’i Island | 12 | 9681 | 695 | 18.7 | 1998 | 1260 | 203 | 1186 |
| Maui Nui | 80 | 76043 | 8685 | 17.1 | 5001 | 1176 | 279 | 2070 |
| O’ahu Island | 14 | 11858 | 711 | 21.1 | 2053 | 1310 | 82 | 778 |

**Table 2.** Sampled area, number of plots, and number of individuals and species per island across the Hawaiian archipelago (7 plots).

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| geo\_entity2 | PlotArea\_Scen1 | meanPET\_scen1 | rangePET\_scen1 | PlotArea\_Scen2 | meanPET\_scen2 | rangePET\_scen2 | PlotArea\_Scen3 | meanPET\_scen3 | rangePET\_scen3 |
| Hawai’i Island | 248442 | 1239 | 443 | 5417 | 1240 | 296 | 5291 | 1258 | 170 |
| Kaua’i Island | 9681 | 1260 | 203 | 5672 | 1259 | 192 | 5663 | 1261 | 189 |
| Maui Nui | 76043 | 1176 | 279 | 6613 | 1176 | 138 | 6607 | 1174 | 118 |
| O’ahu Island | 11858 | 1310 | 82 | 5917 | 1311 | 73 | 5911 | 1310 | 71 |

**Table 3.** Sampled area, number of plots, and number of individuals and species per island across the Hawaiian archipelago (5 plots).

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| geo\_entity2 | PlotArea\_Scen1 | meanPET\_scen1 | rangePET\_scen1 | PlotArea\_Scen2 | meanPET\_scen2 | rangePET\_scen2 | PlotArea\_Scen3 | meanPET\_scen3 | rangePET\_scen3 |
| Hawai’i Island | 248442 | 1239 | 443 | 3935 | 1244 | 260 | 3901 | 1256 | 154 |
| Kaua’i Island | 9681 | 1260 | 203 | 4077 | 1261 | 181 | 4057 | 1258 | 177 |
| Maui Nui | 76043 | 1176 | 279 | 4748 | 1177 | 109 | 4739 | 1177 | 97 |
| O’ahu Island | 11858 | 1310 | 82 | 4185 | 1311 | 63 | 4247 | 1311 | 67 |

**Table 4.** Sampled area, number of plots, and number of individuals and species per island across the Hawaiian archipelago (9 plots).

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| geo\_entity2 | PlotArea\_Scen1 | meanPET\_scen1 | rangePET\_scen1 | PlotArea\_Scen2 | meanPET\_scen2 | rangePET\_scen2 | PlotArea\_Scen3 | meanPET\_scen3 | rangePET\_scen3 |
| Hawai’i Island | 248442 | 1239 | 443 | 6750 | 1239 | 316 | 6814 | 1261 | 177 |
| Kaua’i Island | 9681 | 1260 | 203 | 7229 | 1257 | 197 | 7340 | 1257 | 191 |
| Maui Nui | 76043 | 1176 | 279 | 8572 | 1178 | 152 | 8632 | 1171 | 129 |
| O’ahu Island | 11858 | 1310 | 82 | 7662 | 1310 | 77 | 7637 | 1311 | 79 |