**Table 1.** Percent of trees dated in each DBH (cm) bin for each site. Absent bins did not contain any individuals at either site

|  |  |  |
| --- | --- | --- |
| bin2 | VLF | VUF |
| (6,8] | NA | 0.75 |
| (8,10] | NA | 0.43 |
| (10,12] | 0.63 | 0.44 |
| (12,14] | 0.00 | 0.91 |
| (14,16] | 0.57 | 1.00 |
| (16,18] | 0.63 | 1.00 |
| (18,20] | 1.00 | 0.83 |
| (20,22] | 0.91 | 0.75 |
| (22,24] | 0.89 | 0.88 |
| (24,26] | 1.00 | 1.00 |
| (26,28] | 1.00 | 1.00 |
| (28,30] | 1.00 | 1.00 |
| (30,32] | 1.00 | 1.00 |
| (32,34] | 1.00 | 1.00 |
| (34,36] | 1.00 | 0.83 |
| (36,38] | 1.00 | 1.00 |
| (38,40] | 1.00 | NA |
| (40,42] | 1.00 | 1.00 |
| (44,46] | NA | 1.00 |
| (46,48] | NA | 1.00 |
| (52,54] | NA | 1.00 |

**Table 2.** Observed and reconstructed biomass (kg/tree) for the **VLF** site. The biomass difference and percent difference between the two estimates are also displayed.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| bm.model | Current bm | SE | Reconstructed bm | difference | perc.diff |
| jenkins.pine | 212.569 | 16.225 | 236.619 | 24.050 | 0.113 |
| nt.piaz | 231.229 | 18.454 | 258.115 | 26.886 | 0.116 |
| nt.pine | 255.709 | 20.532 | 285.551 | 29.842 | 0.117 |
| nt.pipo | 299.651 | 24.714 | 335.179 | 35.528 | 0.119 |
| nt.vcnp | 309.669 | 25.224 | 346.117 | 36.449 | 0.118 |
| nt.pine.dom | 291.957 | 23.988 | 326.496 | 34.539 | 0.118 |

**Table 3.** Observed and reconstructed biomass (kg/tree) for the **VUF** site. The biomass difference and percent difference between the two estimates are also displayed.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| bm.model | Current bm | SE | Reconstructed bm | difference | perc.diff |
| jenkins.spruce | 198.000 | 22.265 | 217.323 | 19.322 | 0.098 |
| nt.spruce | 246.402 | 27.730 | 270.456 | 24.054 | 0.098 |
| nt.vcnp | 259.498 | 33.021 | 286.208 | 26.711 | 0.103 |
| nt.mixed.con | 261.458 | 31.585 | 287.794 | 26.336 | 0.101 |
| nt.psme | 325.952 | 37.305 | 358.016 | 32.064 | 0.098 |

**Figure 1.** Distribution of DBH (2 cm bins) at each site in the Valles Caldera broken down by species present at each site.

**Figure 2.** Distribution of DBH (2 cm bins) at each site in the Valles Caldera broken down by dated (blue), and not dated (grey). Bars are stacked, where the sum of the dated and undated equals the total number of stems in a particular bin,

**Figure 3.** Biomass estimates for the **VLF** site at the Valles Caldera. Point estimates (mean ± SE) were generated from the observed DBH of all stems present in both variable radius plots. Reconstructed biomass estimates were calculated based upon the mean of all dated individuals across both plots. See table 2 for allometric equations used.

**Figure 4.** Biomass estimates for the **VUF** site at the Valles Caldera. Point estimates (mean ± SE) were generated from the observed DBH of all stems present in both variable radius plots. Reconstructed biomass estimates were calculated based upon the mean of all dated individuals across both plots. See table 3 for allometric equations used.