Supplementary Table 1. Comparison of CLAM 1.0.2 versus CALIB 6.0 calibrations of AMS Radiocarbon dates from Cleland Lake Core F-09 Note that the ages are rounded to the nearest decade for comparison.

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|  |  | CLAM 1.0.2 calibrations (cal yr BP) | CALIB 6.0 calibrations (cal yr BP) |
| Material | Depth (cm) | 14C yr BP | Median calibrated age | 2σ lower | 2σ upper | Median calibrated age | 2σ lower | 2σ upper |
| charcoal | 35.5 | 210±80 | 200 | -10 | 430 | 200 | -3 | 450 |
| charcoal | 162.5 | 3660±20 | 4000 | 3920 | 4100 | 3980 | 3900 | 4800 |
| Mazama Tephra layer | 204-208 | 6850±100 | 7700 | 7550 | 7920 | 7700 | 7520 | 7930 |
| charcoal | 214 | 7435±30 | 8130 | 8030 | 8280 | 8150 | 8186 | 8337 |
| charcoal | 286 | 9800±350 | 11320 | 10280 | 12390 | 11280 | 10286 | 12387 |
| extrapolated basal age | 357.5 | N/A | 14150 | 12800 | 15500 | 14100 | 12858 | 15484 |

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