

TableDR1. Radiocarbon dates\* for core S-53.

| <b>Beta number</b> | <b>Core ID</b> | <b>Material</b>  | <b>Depth (cm)</b> | <b>Measured Radiocarbon Age (BP)</b> | <b>Plus/Minus</b> | <b>Conventional Radiocarbon Age</b> | <b>Plus/Minus</b> | <b>13C/12C</b> | <b>Calibrated -2σ ‡</b> | <b>Calibrated +2σ ‡</b> |
|--------------------|----------------|------------------|-------------------|--------------------------------------|-------------------|-------------------------------------|-------------------|----------------|-------------------------|-------------------------|
| 2456804            | S53            | wood             | 327-329           | 2310                                 | 40                | 2520                                | 40                | -12.1          | 2743                    | 2470                    |
| 2456805            | S53            | organic material | 343-345           | 2460                                 | 40                | 2530                                | 40                | -20.6          | 2753                    | 2451                    |
| 2456806            | S53            | organic sediment | 367-369           | 2370                                 | 40                | 2490                                | 40                | -17.8          | 2729                    | 2450                    |
| 2456807            | S53            | organic sediment | 570-571           | 4040                                 | 40                | 4200                                | 40                | -15.5          | 4766                    | 4614                    |
| 2456808            | S53            | organic sediment | 908-910           | 4790                                 | 40                | 4850                                | 40                | -21.5          | 5656                    | 5577                    |
| 2456809            | S53            | organic sediment | 1048-1050         | 6400                                 | 40                | 6400                                | 40                | -24.7          | 7419                    | 7268                    |
| 37755**            | S53            | bulk sediment    | 395-400           | 2470                                 | 60                | 2437                                | 77                | n/a            | 2619                    | 2352                    |
| 37756**            | S53            | bulk sediment    | 1000-1005         | 5820                                 | 100               | 5787                                | 111               | n/a            | 6799                    | 6396                    |

\*All dates were obtained on bulk peat samples and analyzed by Beta Analytic (Miami, FL, USA).

\*\* Radiocarbon dates from Stanely et al., 1996 and conventional age is calculated using 13C estimate of -27 +/-3

‡ Upper and lower limits based on two sigma errors in calibration. Calibrated in Clam using Intecal09.