Supplementary Table 1. Radiocarbon ages from USGS cores GSL96-5 and 6 used to construct the age-depth plot in Fig. 10.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| WWa | Coreb | Depth (cm) | 14C Agec | s.d.c |
| 2563 | 96-5 | 29.4 | 1890 | 50 |
| 2564 | 96-5 | 61.4 | 2600 | 40 |
| 2565 | 96-5 | 116.4 | 3220 | 50 |
| 2566 | 96-5 | 156.4 | 3480 | 50 |
| 2567 | 96-5 | 202.4 | 3730 | 40 |
| 2468 | 96-6 | 222.4 | 3850 | 50 |
| 2469 | 96-6 | 236.4 | 3920 | 60 |
| 2193 | 96-6 | 256.4 | 4350 | 50 |
| 2470 | 96-6 | 301.4 | 4920 | 50 |
| 2471 | 96-6 | 312.1 | 5190 | 50 |
| 2198 | 96-6 | 331.1 | 5370 | 40 |
| 1865 | 96-6 | 360.1 | 6030 | 50 |
| 1718 | 96-6 | 363.6 | 6820 | 50 |
| 1866 | 96-6 | 420.6 | 6910 | 40 |
| 2467 | 96-6 | 485.0 | 7710 | 50 |
| 1726 | 96-6 | 538.0 | 8530 | 50 |
| 1388 | 96-6 | 563.0 | 8880 | 60 |
| 2472 | 96-6 | 572.5 | 10610 | 50 |
| 2192 | 96-6 | 590.5 | 10810 | 50 |
| 1719 | 96-6 | 595.5 | 10730 | 50 |
| 2488 | 96-6 | 640.5 | 11460 | 40 |
| 2191 | 96-6 | 655.5 | 12080 | 60 |
| 1389 | 96-6 | 657.0 | 12340 | 60 |
| 4617\* | 96-6 | 659.5 | 10600 | 270 |
| 1392 | 96-6 | 682.0 | 13160 | 60 |
| 1864 | 96-6 | 689.3 | 12980 | 70 |
| 2197 | 96-6 | 692.5 | 13490 | 50 |
| 2489 | 96-6 | 701.5 | 14320 | 40 |
| 2490 | 96-6 | 703.5 | 14580 | 50 |
| 2491 | 96-6 | 711.5 | 15280 | 50 |
| 2492 | 96-6 | 714.0 | 15680 | 60 |
| 1382 | 96-6 | 717.0 | 15570 | 60 |
| 2535 | 96-6 | 718.0 | 15670 | 60 |
| 2195 | 96-6 | 738.5 | 17980 | 70 |
| 2187 | 96-6 | 762.0 | 18940 | 70 |
| 2188 | 96-6 | 788.0 | 20180 | 80 |
| 1727 | 96-6 | 812.0 | 23810 | 70 |
| 1728 | 96-6 | 815.0 | 22490 | 90 |
| 1729 | 96-6 | 824.2 | 26210 | 130 |
| 2536 | 96-6 | 837.0 | 26440 | 150 |
| 2537 | 96-6 | 859.2 | 22200 | 90 |
| 2538 | 96-6 | 890.2 | 29020 | 200 |
| 2539 | 96-6 | 899.6 | 30750 | 300 |
| 2540 | 96-6 | 944.6 | 31460 | 260 |
| 2568 | 96-6 | 989.6 | 33220 | 250 |
| 1730 | 96-6 | 1008.6 | 34280 | 210 |
| 1390 | 96-6 | 1011.6 | 33380 | 230 |
| 1381 | 96-6 | 1063.1 | 37140 | 370 |

a All samples were processed at the USGS Radiocarbon Dating Laboratory in Reston, VA. AMS 14C dating was done at the Center for Accelerator Mass Spectrometry (CAMS), Lawrence Livermore National Laboratory (LLNL), Livermore, CA. With one exception, all radiocarbon analyses were conducted on bulk sediment (organic material recovered from 1-cm3 samples of core sediment).  The sample for WW-4617\* was one small piece of wood found in core sediment, shown in Fig. 10.

b Cores 96-5 and 96-6 were taken at one locality in Great Salt Lake (41°00.09' N, 112°23.05' W), with 96-5 above 96-6.

c The ages are in 14C years BP (before present) with one-sigma errors. Computations were made using the Libby half-life of 5568 years and an assumed δ13C value of -25 ‰ following the conventions of Stuiver and Polach (1977).