

TableDR1. Radiocarbon dates* for core S-53.

Beta number	Core ID	Material	Depth (cm)	Measured Radiocarbon Age (BP)	Plus/Minus	Conventional Radiocarbon Age	Plus/Minus	13C/12C	Calibrated -2σ ‡	Calibrated +2σ ‡
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.