Data Repository item 2004025

Figure 11
Karlin et al., 2003
north basin

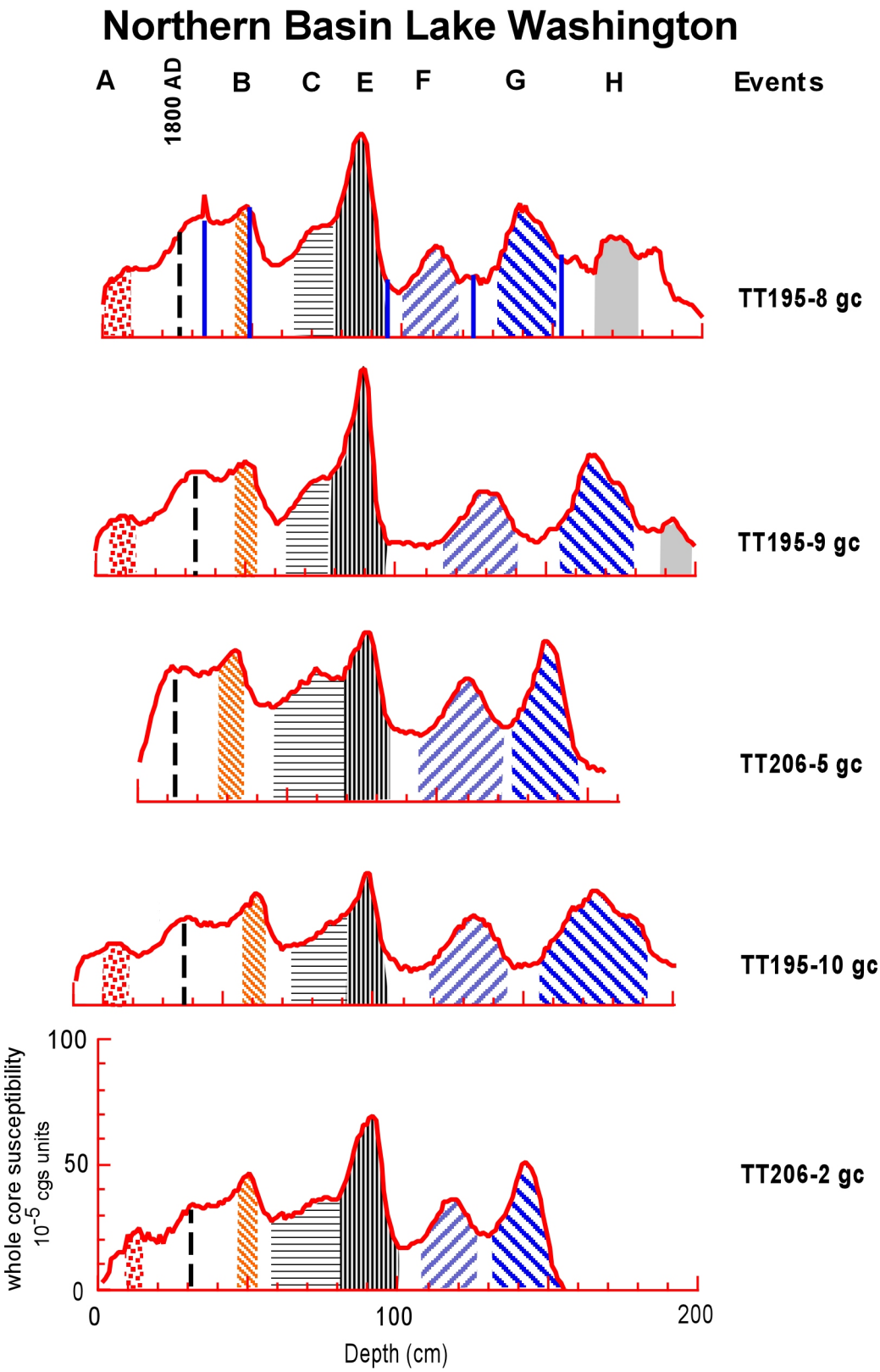


Figure 12
Karlin, et al., 2003
central basin

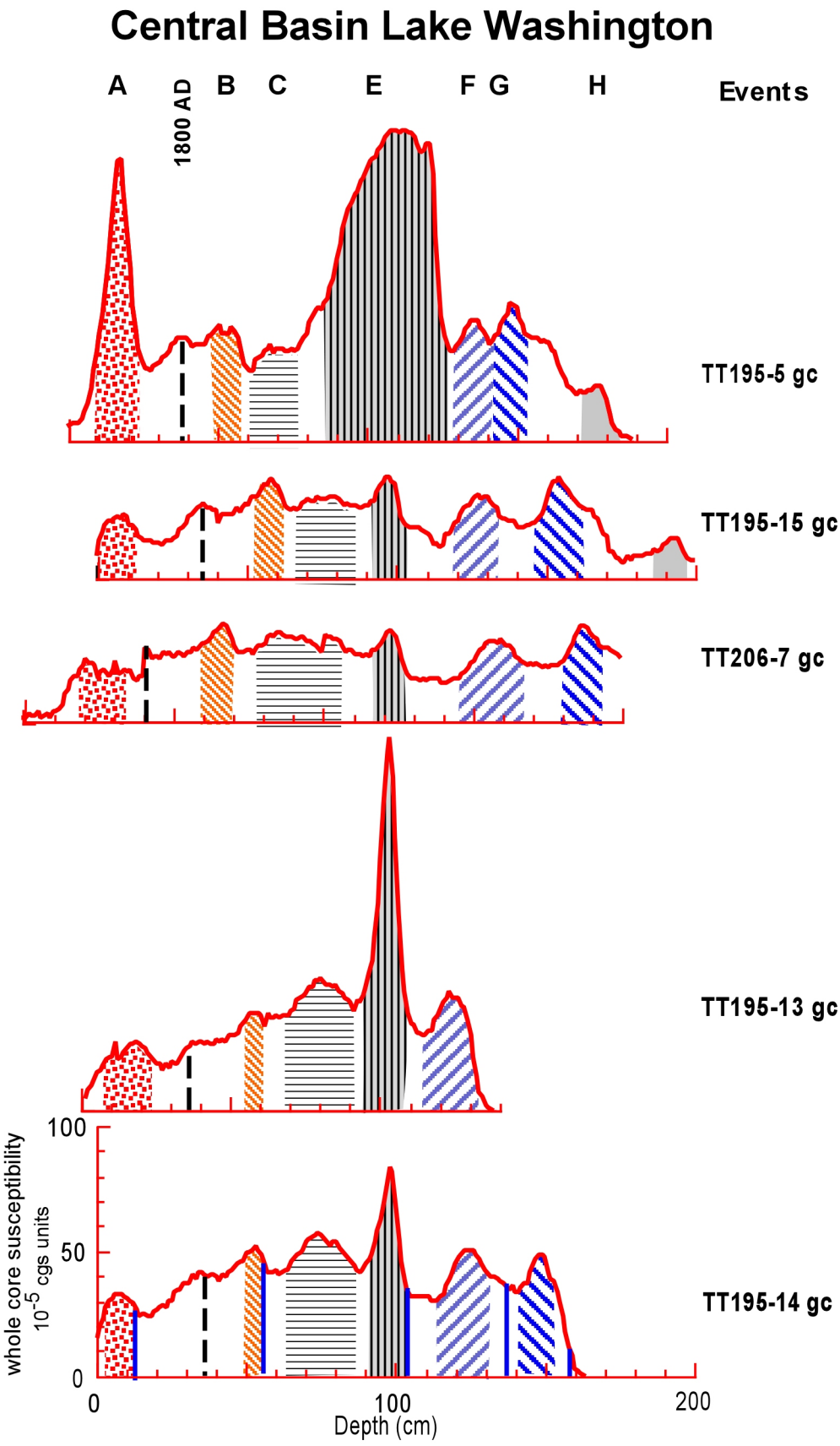


Figure 13
Karlin et al., 2003
west channel

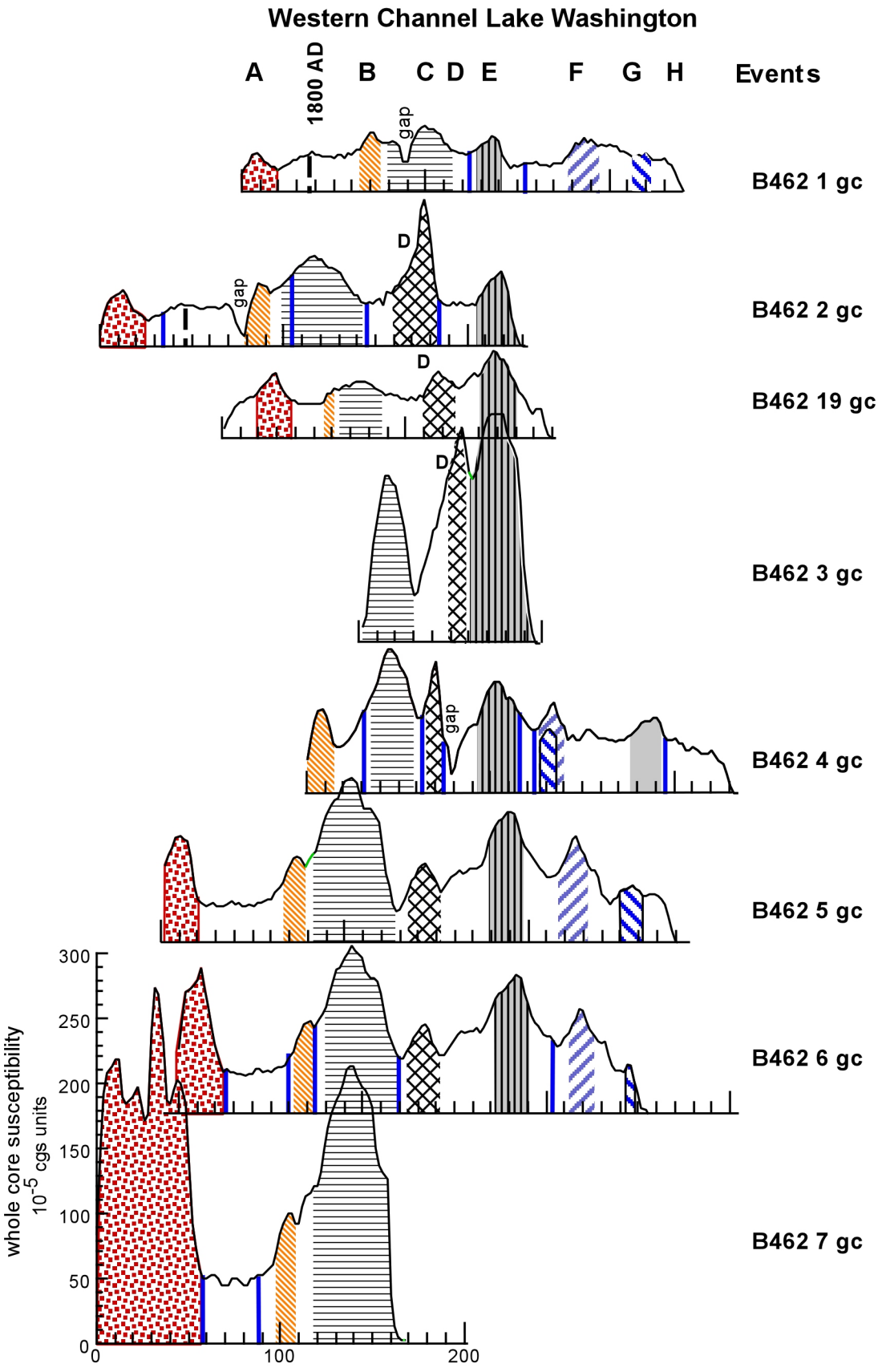
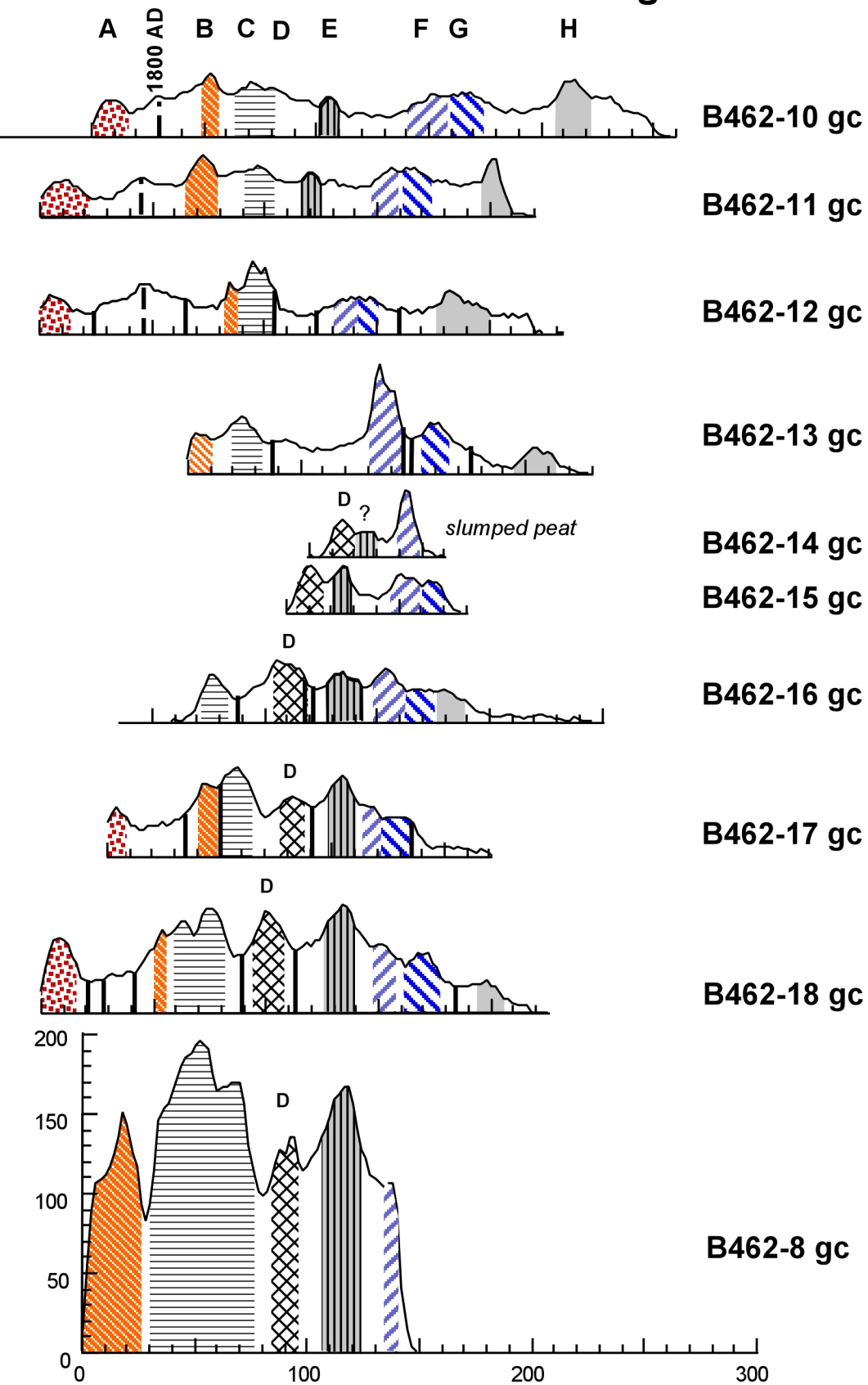


Figure 14
Karlin et al., 2003
east channel

Eastern Channel Lake Washington



Data Repository Figure Captions

Figure DR1. Whole core magnetic susceptibility profiles of cores from the northern main lake basin. The shaded patterns denote magnetic peaks that can be correlated between cores, based on the similarities in their susceptibility signatures, radiocarbon dates, lithologic markers, and stratigraphic succession. High susceptibility events are labeled A through H. Radiocarbon-dated intervals (Tables DR1, DR2) are shown as black vertical lines. A minor magnetic peak corresponding to an 1800 AD diatom datum identified in cores TT195 8 and 14 by Karlin and Abella (1992) is shown as a dashed line. Cores were taken at depths ranging from 34 m near the Sammamish inlet to 62 m in the central basin.

Figure DR2. Whole core magnetic susceptibility profiles of cores from the central part of the lake. Annotations are as in Fig. DR1.

Figure DR3. Whole core magnetic susceptibility profiles of cores taken in the western channel of Lake Washington near Mercer Island. Depths along the channel axis vary from 30 to 50 m. Annotations as in Fig. DR1.

Figure DR4. Whole core magnetic susceptibility profiles of cores taken in the eastern channel of Lake Washington. The channel is shallowest (10 m) off the eastern tip of Mercer Island and deepens in both directions. Annotations as in Fig. DR1.

TABLE DR1. RADIOCARBON AGE DETERMINATIONS

Laboratory Number	Core Cruise-Core-Depth cm	Raw Date 14C yrs BP	Reservoir Corrected Date 14C yrs BP	Pooled Error 14C yrs BP	2σ Age from cal BP	Range to cal BP	Events - Above + Below		
AA18350	B462-1-123	1565	845	82	930	660	C+		
AA18351	B462-1-154	1845	1125	107	1280	800	E+		
B72492	B462-2-105	1180	460	88	640	300	B+	C-	
B65047	B462-2-146	1400	680	111	900	490	C+	D-	
B65048	B462-2-184	1540	820	96	940	560	D+	E-	
Z66000	B462-4-31	1110	390	111	650	100	B+	C-	
Z66001	B462-4-63	1670	950	111	1070	660	C+	D-	
B65049	B462-4-73	2370	1650	111	1820	1330			
AA18352	B462-4-100	1915	1195	111	1310	910	E+		
Z66002	B462-4-126.5	2280	1560	111	1710	1270	F-		
B65050	B462-4-194.5	3810	3090	88	3480	3000	H+		
B65052	B462-6-60	1000	280	103	520	0	B-		
Z66003	B462-6-75	1130	410	111	650	100	B+	C-	
B65053	B462-6-119	1390	670	88	760	510	C+	D-	
B65054	B462-6-144	1210	490	119	670	290			
B65055	B462-6-204	2330	1610	96	1710	1300	F-		
B72493	B462-7-58	950	230	88	470	0			
AA18353	B462-8-74	2930	2210	85	2360	1990			
AA18354	B462-12-65	1750	1030	82	1130	740			
B65057	B462-12-103.5	1530	810	103	930	550	C+		
AA18355	B462-12-122	2195	1475	96	1570	1170	F-		
AA18356	B462-12-160	2690	1970	85	2130	1700	F+		
AA18357	B462-13-37	2045	1325	82	1390	1050			
B65058	B462-13-94	2300	1580	111	1720	1280	G-		
B72495	B462-13-100	2360	1640	82	1730	1340	G-		
B72496	B462-13-125	3400	2680	82	3000	2450	F+	G+	H-
B72497	B462-14-57	6230	5510	111	6550	5950			
AA18358	B462-16-39	1570	850	82	930	660	C+		
B65059	B462-16-68.3	1690	970	96	1070	680	D+		
AA18359	B462-16-72	2135	1415	82	1520	1170			
B72498	B462-17-35	830	110	82	286	0	B-		
B72499	B462-17-50	1360	640	88	730	510	B+	C-	
B72500	B462-17-90	1780	1060	103	1220	740	D+	E-	
B72501	B462-17-135	2810	2090	103	2330	1860	F+	G+	
B65060	B462-18-21	1090	370	103	630	130			
B65062	B462-18-89	1450	730	103	910	530	C+	D-	
B65063	B462-18-112	1720	1000	111	1170	690	D+	E-	
B65064	B462-18-185	3140	2420	103	2750	2150	F+	G+	H-
Z66004	TT195-8-34	920	200	128	464	0	B-		
Z66005	TT195-8-47	1040	320	128	550	0	B+		
Z66006	TT195-8-93	1800	1080	128	1300	700	E+		
B52592	TT195-8-123	2640	1920	145	2300	1500	F+	G-	
B52593	TT195-8-151	3110	2390	128	2750	2100	G+	H-	
B52597	TT195-14-54	1140	420	111	650	150	B+		
Z66008	TT195-14- 103	1850	1130	128	1300	750	E+		
Z66009	TT195-14-137	2860	2140	119	2400	1800	F+	G-	
B52600	TT195-14-149	2780	2060	145	2400	1650	G+		

Note: Oxcal version 3.5; 2σ ranges in calibrated years before 1950 AD (cal BP).

TABLE DR2. RADIOCARBON DATES USED IN CARBON RESERVOIR CORRECTION CALCULATIONS

Laboratory Number	Core cruise-core-depth cm	Interval Width cm	Raw Age 14C yrs B.P. 13C corrected	Quoted Error 14C yrs BP	Datum cal yrs AD	Age offset 14C yrs BP
B72491	B462-2-35	5	650	70	1916	616
B65051	B462-6-24	3	650	60	1916	616
B72494	B462-7-100	5	570	80	1916	536
B65956	B462-12-23	3	710	70	1916	676
B72498	B462-17-35	5	830	50	1916	796
B65061	B462-18-41	3	660	80	1916	626
AA18351	B462-1-154	2	1845	85	900-930	810
AA18352	B462-4-100	2	1915	90	900-930	880
B72500	B462-17-90	5	1780	80	900-930	745
B65063	B462-18-112	3	1720	90	900-930	685
Z66006	TT195-8-93	2	1800	100	900-930	765
Z66008	TT195-14-103	5	1850	100	900-930	815