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Supplement of

Coral records of reef-water pH across the central Great Barrier Reef, Australia: assessing the influence of river runoff on inshore reefs

J. P. D'Olivo et al.

Correspondence to: J. P. D'Olivo (juan.dolivocordero@uwa.edu.au) and M. T. McCulloch (malcolm.mcculloch@uwa.edu.au)

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Table S1. Raw annual coral carbonate $\delta^{11}\text{B}$ ($\delta^{11}\text{B}_{\text{carb}}$) from *Porites* core samples from the central Great Barrier Reef measured by: ^a PTIMS and ^b MC-ICPMS.

Time	$\delta^{11}\text{B}_{\text{carb}}$ (‰)					
	HAV09_3 ^a	HAV09_3 ^b	HAV06 ^a	PAN02 ^a	RIB09_3 ^a	1709_6 ^b
2009	23.551	23.033			23.695	23.071
2008	23.337	23.043			24.153	22.971
2007	23.565	23.320			23.989	22.909
2006	23.997	23.612			24.142	23.266
2005		22.489	25.313		23.270	22.883
2004	23.571	22.883	24.948		23.382	22.901
2003		23.077	25.257		23.296	22.862
2002	23.868	23.226	24.887	24.214	23.992	22.906
2001	23.345	23.145	25.136	24.799	23.542	22.661
2000	24.054	23.474	26.271	24.071	23.457	23.040
1999	24.430	23.948	25.772	24.327	24.228	23.021
1998		24.903	25.772	24.321	23.818	22.874
1997		25.263	24.623	24.085	24.120	23.239
1996		24.460	24.690	24.047	23.753	23.431
1995		24.162	25.248	23.800	24.289	22.722
1994		24.288	24.320	23.378	24.698	23.323
1993		24.384	24.225	23.438	24.210	23.073
1992		24.379	24.670	24.556	24.253	22.747
1991		23.469	25.758	25.282	23.927	23.384
1990		23.711	25.427	25.625	24.692	24.128
1989		24.143	25.410	25.952	24.477	23.418
1988		24.276	24.641	25.256	24.290	23.405
1987		23.696	24.503	24.052	23.908	23.631
1986		23.818	25.224	23.712	23.977	23.382
1985		23.780	24.468	24.733	24.507	23.228
1984		23.815	25.400	24.422	24.536	23.316
1983		24.030	25.534	24.818	23.915	22.950
1982		23.819	25.801	25.218	23.753	22.991
1981		24.910	25.301	24.265	23.578	22.782
1980		24.367	24.385	25.304	23.727	22.515
1979		24.599	24.756	25.001	24.303	22.900
1978		24.792	24.834	25.099	24.455	22.731
1977		24.419	25.280	23.931	24.716	23.159
1976		24.290	25.280	25.458	24.889	23.033
1975		24.287	25.375	24.515	24.198	22.947
1974		24.220	26.267	23.813	25.411	23.773
1973		24.400	25.882	24.704	24.475	23.640
1972		24.701	25.874	24.559	24.604	
1971		24.852	25.836	25.169	24.657	
1970		24.469	25.097	23.040	24.129	
1969		24.135	24.848	23.633	24.729	
1968		24.082	24.800	25.042	24.005	
1967		23.895	26.208	24.197	24.058	
1966		24.050	25.756	24.305	23.114	
1965		24.312		25.168	23.627	
1964		24.216		23.609	24.037	
1963		24.682		24.931		
1962		24.320			23.564	
1961		23.605			23.839	
1960		24.378				
1959		24.166				

Continued from Table S1.

$\delta^{11}\text{B}_{\text{carb}}$ (‰)

Time	HAV09_3^a	HAV09_3^b	HAV06^a	PAN02^a	RIB09_3^a	1709_6^b
1958		23.942				
1957		24.138				
1956		23.799				
1955		23.339				
1954		23.832				
1953		24.180				
1952		24.161				
1951		24.154				
1950		24.096				
1949		24.188				
1948		24.820				
1947		24.649				
1946		24.453				
1945		24.304				
1944		24.011				
1943		24.135				
1942		24.604				
1941		24.385				
1940		24.620				

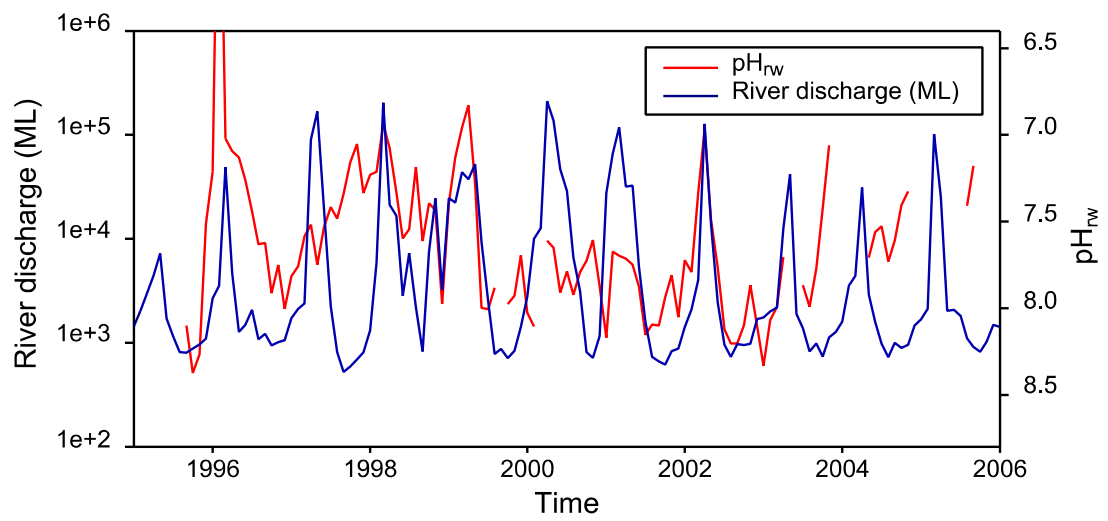


Figure S2. Monthly discharge and pH_{rw} of the Burdekin River (data obtained from Queensland DERM, 2011; pH scale not available).