

Cave water and coastal groundwaters, springs, and seawater samples from Barbados in June and November of 1989
Field and analytical procedures are those listed for analyses in the Yucatan papers of the 1980s and 1990s

Approximate longitude and latitude given below table

June 24-27 1989	Temp	pH	Na	K	Mg	Ca	Sr	Fe	Mn	SiO ₂	Cl	NO ₃	PO ₄	SO ₄	Alk as HCO ₃ /I	chg bal	tds	
	°C	units	+2%	+3%	+2%	+2%	+5%	+10%	+10%	+2%	+5%	+8%	+2%	+8%	+0.03	meq/ kg H ₂ O	ppm	
	+_0.5	+0.05																
Bottom Bay Borehole depth ft +0.5 below surface																		
	45.5	32.0	7.50	5.40	0.236	0.721	1.34	0.014	0.0056	0.0005	0.376	4.74	0.282	0.0031	0.615	3.25	+0.29	670
	50.5	31.0	7.73	5.31	0.224	0.745	1.46	0.014	0.0054	0.0005	0.375	4.69	0.282	0.0019	0.620	3.52	+0.25	690
	55.5	29.5	7.60	4.96	0.207	0.753	1.51	0.013	0.0039	<0.0002	0.378	4.41	0.305	0.0026	0.616	3.61	+0.16	680
	60.5	28.5	7.65	5.31	0.207	0.807	1.64	0.014	0.0070	0.0002	0.380	4.69	0.373	0.0030	0.643	3.73	+0.36	720
	70.5	32.0	7.50	57.2	1.29	6.90	2.53	0.023	0.0018	0.0004	0.308	63.6	0.215	0.0013	3.82	3.69	+2.26	4490
	100.5	30.0	7.45	257.9	5.58	29.1	6.54	0.062	0.0018	0.0009	0.175	304.8	0.0574	0.0019	16.3	3.11	-5.70	19,310
surf. seawater	29.3	8.00	471.4	10.06	53.2	10.02	0.079	0.0028	0.0004	0.0026	547.7	b.d.	b.d.	29.3	2.30	-0.56	34,100	
Deebles Point spring	31.0	7.40	4.34	0.162	0.741	2.31	0.011	0.0048	<0.0002	0.350	4.23	0.268	0.0031	0.624	4.33	+0.55	730	
surf. seawater	29.0	8.00	471.1	10.06	53.3	10.05	0.079	0.0028	0.0004	0.0015	547.7	b.d.	b.d.	28.9	2.30	+0.30	34,060	

Three Houses spring	27.0	7.10	1.94	0.0527	0.428	2.18	0.011	0.0045	<0.0002	0.241	1.75	0.534	b.d.	0.256	4.15	+0.29	530	
Bath spring	27.0	7.50	2.80	0.116	0.343	1.92	0.0071	0.0028	0.0004	0.226	2.78	0.875	0.0011	0.331	3.15	+0.30	540	
Harrison Cave underground lake	28.0	8.10	1.40	0.0785	0.164	1.68	0.0026	0.0048	<0.0002	0.166	1.16	0.542	b.d.	0.320	2.42	+0.41	370	
June 24-27 1989	Temp °C	pH units	Na	K	Mg	Ca	Sr	Fe	Mn	SiO ₂	Cl	NO ₃	PO ₄	SO ₄	Alk as HCO ₃ /I	chg bal meq/ kg H ₂ O	tds ppm	
	+_0.5	+0.05	+2%	+3%	+2%	+2%	+5%	+10%	+10%	+2%	+5%	+8%	+2%	+8%	+0.03			
Bottom Bay Borehole depth ft +0.5 below surface	45.5	27.3	7.63	2.72	0.164	0.486	1.23	0.0083	0.0043	n.m.	0.285	2.53	0.119	0.0037	0.208	2.94	+0.33	444
	70.5	27.2	7.40	3.29	0.198	0.519	1.25	0.0089	0.0022	n.m.	0.331	3.13	0.169	0.0050	0.250	3.37	-0.14	519
	87	27.2	7.50	5.14	0.361	0.856	1.72	0.014	0.0050	n.m.	0.336	5.87	0.169	0.0040	0.490	3.73	-0.07	738
	100.5	27.2	7.40	50.3	2.03	6.61	2.88	0.032	0.0144	n.m.	0.331	61.5	0.191	0.0051	3.26	3.13	+0.06	4,214

121	27.2	7.40	163.3	3.60	19.9	5.33	0.046	0.00036	n.m.	0.246	197.7	0.090	0.0031	10.1	2.94	-3.50	12,615
137	27.2	7.45	198.0	4.62	23.85	5.83	0.048	0.0029	n.m.	0.213	239.4	0.124	0.0014	11.9	2.92	-4.21	15,150
Deebles Point spring	32.5	7.60	4.70	0.199	0.832	2.25	0.011	0.0054	n.m.	0.358	5.31	0.316	0.0014	0.646	4.25	+0.01	780
surf. seawater	32.6	8.13	478.0	11.0	55.0	10.65	0.083	0.0024	n.m.	0.0024	570.6	b.d.	b.d.	29.0	2.44	-10.70	35,079
Three Houses spring	31.5	7.02	1.35	0.0752	0.355	1.97	0.0086	0.0054	n.m.	0.261	1.45	0.410	0.0015	0.219	3.83	-0.03	470
Bath spring	26.6	7.20	2.47	0.139	0.348	1.97	0.0073	0.0038	n.m.	0.238	2.69	0.913	b.d.	0.292	3.38	-0.30	551
Home Ag. Station well	27.3	7.42	3.58	0.168	0.741	1.70	0.0073	0.0054	n.m.	0.166	3.87	0.331	b.d.	0.417	3.39	+0.23	590
Harrison Cave underground lake	n.m.	8.12	0.871	0.0893	0.160	1.82	0.0031	0.0047	n.m.	0.191	0.880	0.465	b.d.	0.240	3.08	+0.03	383
Sample Bottom Bay	Approx. Latitude & Longitude N13°08'12" & W59°25'31"				Sample Three Houses	Approx. Latitude & Longitude N13°09'28" & W59°27'22"				Samples Home Ag. Station	Approx. Latitude & Longitude N13°06'36" & W59°27'18"						
Deebles Pt.	N13°09'46" & W59°25'43"				Bath	N13°11'12" & W59°28'37"				Harrison Cave	N13°10'57" & W59°33'56"						

