

TABLE 1  
 HYRODLEVELING OF KRUBERA CAVE  
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station	hydrolevel data				atmos. corr.	tape	depth (m)	
	up	down	ave.	scaled			hydro	conven.
entrance to Mozambique								
0-1	18.90	18.85	18.875	18.2903	0.01		19.28	
1-2	12.25	12.30	12.275	12.5451	0.015		31.81	
2-4						24.23	56.04	
4-5	16.15	16.10	16.125	16.4798	0.06		72.46	
5-6	6.50	6.50	6.500	6.6430	0.07		79.03	
6-7	12.80	12.80	12.800	13.0816	0.085		92.03	93
7-8	23.00	22.95	22.975	23.4805	0.1		115.51	
8-9						32.62	148.03	
9-10	29.20	29.20	29.200	29.8424	0.16		177.71	
10-11						3.14	180.85	
11-12	18.50	18.55	18.525	18.9326	0.19		199.60	205
12-13	22.50	22.55	22.525	23.0206	0.21		222.41	226
13-14	3.45	3.50	3.475	3.5515	0.22		225.74	
14-15	17.05	17.10	17.075	17.4507	0.23		242.96	
15-16						23.35	266.31	
16-17	21.15	21.00	21.075	21.5387	0.28		287.57	
17-18						14.10	301.67	
18-19	19.75	19.70	19.725	20.159	0.31		321.52	
19-20	9.60	9.60	9.600	9.8112	0.315		331.01	
20-21	6.75	6.80	6.775	6.9241	0.33		337.61	
21-22	2.70	2.70	2.700	2.7594	0.34		340.02	340
Mozambique to Camp 500								
22-23	9.30	9.30	9.300	9.5046	0.34		349.19	
23-24						33.18	382.37	
24-25	7.05	7.05	7.050	7.2051	0.385		389.19	
25-26						27.37	416.56	
26-27	15.05	15.15	15.100	15.4322	0.42		431.57	
27-28	19.50	19.50	19.500	19.9290	0.44		451.06	
28-29	20.85	20.85	20.850	21.3087	0.46		471.91	
29-30						14.04	485.95	
30-31	3.40	3.40	3.400	3.4748	0.49		488.93	490
Camp 500 to Camp 700								
31-38	12.35	12.35	12.350	12.6217	0.495		501.06	
38-39	20.10	20.10	20.100	20.5422	0.51		521.09	
39-40	14.10	13.95	14.025	14.3336	0.53		534.90	
40-41	1.50	1.55	1.525	1.5586	0.53		535.93	
41-42	10.70	10.75	10.725	10.9610	0.54		546.35	
42-43	6.70	6.70	6.700	6.8474	0.55		552.64	
43-44	22.75	22.75	22.750	23.2505	0.56		575.33	572
44-45	5.25	5.25	5.250	5.3655	0.575		580.12	
45-46	25.00	25.05	25.025	25.5756	0.59		605.11	
46-47	20.75	20.70	20.725	21.1810	0.61		625.68	
47-48						15.24	640.92	
48-49						23.49	664.41	
49-50	27.30	27.30	27.300	27.9006	0.68		691.63	693
Camp 700 to -916 meters								
50-51	21.55	21.55	21.550	22.0241	0.7		712.96	
51-52	15.35	15.35	15.350	15.6877	0.72		727.92	
52-53	19.15	19.10	19.125	19.5458	0.74		746.73	
53-54	26.85	26.85	26.850	27.4407	0.76		773.41	
54-55	23.90	23.90	23.900	24.4258	0.78		797.06	
55-56	21.15	21.15	21.150	21.6153	0.81		817.86	
56-57	18.15	18.10	18.125	18.5238	0.825		835.56	

station	hydrolevel data				atmos. corr.	tape	depth (m)	
	up	down	ave.	scaled			hydro	conven.
57-58	1.35	1.35	1.350	1.3797	0.825		836.11	827
58-59	16.85	16.85	16.850	17.2207	0.84		852.50	
59-60	19.05	19.10	19.075	19.4947	0.86		871.13	
60-61	5.65	5.65	5.650	5.7743	0.87		876.03	
61-62	21.55	21.55	21.550	22.0241	0.89		897.17	
62-63	19.75	19.75	19.750	20.1845	0.91		916.44	
-916 meters to Camp 1200								
63-64g	6.40		6.400	6.5408	0.92		922.06	
64g-64d	12.25		12.250	12.5195	0.93		933.65	
64d-64c	10.70		10.700	10.9354	0.94		943.65	
64c-64b	7.75		7.750	7.9205	0.95		950.62	
64b-64a	18.15		18.150	18.5493	0.96		968.21	
64-64a	4.75		4.75	4.8545	0.97		972.09	
64-65	5.10		5.100	5.2122	0.97		976.34	
65-66	9.70		9.700	9.9134	0.98		985.27	
66-67	16.20		16.200	16.5564	0.99		1000.83	
67-68	16.10		16.100	16.4542	1.01		1016.28	
68-69	8.95		8.950	9.1469	1.02		1024.41	
69-69a	11.60		11.600	11.8552	1.03		1035.23	
69a-70	6.45		6.450	6.5919	1.04		1040.78	
70-71	6.70		6.700	6.8474	1.04		1046.60	
71-72	15.50		15.500	15.841	1.05		1061.39	
72-73	11.20		11.200	11.4464	1.065		1071.77	
73-74	4.90		4.900	5.0078	1.07		1075.71	1109
74-76*	35.00	35.10	35.050	35.8211	2.17		1109.36	
76-77	24.90		24.900	25.4478	1.12		1133.69	
77-78	23.80		23.800	24.3236	1.14		1156.87	
78-79	23.65		23.650	24.1703	1.17		1179.87	
79-80	15.55		15.550	15.8921	1.19		1194.58	1211

Notes on Table 1.

While time permitted, gauge readings were recorded both going down and then going back up through the area. The two readings were averaged. The scaled value is the average multiplied by the factor  $k = 1.0220$ .

The atmospheric correction is derived from the reading obtained when the gauge chamber was opened to air at Camp 1200, scaled by the relative depths of the stations.

A tape was used to determine the vertical distance on some strictly vertical drops.

The hydrolevel depth is determined by either adding the taped distance or by adding the scaled hydrolevel average and subtracting the atmospheric correction.

For comparison, depths from the conventional survey are listed for some stations.

\*The area between stations 74 and 76 is complex, and the gauge data were taken twice, with different intermediate stations. The two values in the table are the sums of the pairs of measurements. Because the line contains two measurements, the atmospheric correction is double.