Hot Dry Rocks Pty Ltd
Geothermal Energy Consultants

HEAD OFFICE
PO Box 251
South Yarra, Vic 3141
Australia
T +61 3 9867 4078
F +61 3 9279 3955
E info@hotdryrocks.com
W www.hotdryrocks.com

ABN: 12 114 617 622

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Results from Downhole Temperature Profile Readings: SEL 26/2005.

Ben Lomond, Tower Hill, Epping, Temple Bar, Fingal, Tiberias, Kingston, and Woodsdale.

Prepared for KUTh Energy Ltd

9 July 2008 Final Report

Ben Waining

Executive summary

This report provides results obtained from precision temperature logging undertaken in May and June of 2008, of eight of KUTh's heat flow holes within tenement SEL26/2005.

All eight of the holes logged (Ben Lomond, Tower Hill, Epping, Temple Bar, Fingal, Tiberias, Kingston, and Woodsdale) are considered to have reached equilibration. The geothermal gradients are displayed in the enclosed figures, and the logged temperatures are listed in the appendix.

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1.0 Introduction

During May and June 2008 eight of the completed geothermal exploration holes drilled by KUTh Energy were sampled for temperature using a thermistor.

Holes were logged using a thermistor, a type of resistor that relies on the change in resistance to measure temperature changes. Each hole was sampled at 1 metre increments, with results presented as tables of temperature recorded per metre (Appendix 1) and as graphs of geothermal gradients (Figures 1 - 8).

The results presented for all eight holes listed are the results from the second logging runs of these holes, and are considered to be equilibrated. It is therefore expected that the results presented here are an accurate representation of the actual thermal conditions of the holes

The results provided in this report are based on data collected from the field sampling. Detailed analysis of the thermal properties of the areas sampled will be provided in a separate report for all eight holes listed incorporating the data obtained from the conductivity analysis. The temperature profile data aids in the selection and sampling of appropriate lithological intervals for conductivity analysis.

2.0 Results

The results provide recorded temperatures for each metre of the successfully logged holes.

The gradient profiles for each of the logged holes can be seen as averages over 2m, 4m and 10m in Figures 1 to 8. The nature of the gradient profiles displays their variable nature and can be indicative of unconfined aquifer flows disturbing the thermal profile of the well.

The corresponding preliminary geothermal gradients for selected sections are displayed in Table 1

Table 1. Geothermal gradient (°C/km) values for selected depth profiles

Depth (m)	Epping	Tower Hill	Ben Lomond	Temple Bar	Fingal	Tiberias	Kingston	Woodsdale
50-200	34.78	14.22	19.62	35.40	43.72	13.15	44.58	23.69
200-250	37.46	18.75	23.39	34.09	49.18	45.47	42.87	33.82
250 - BoH	40.74	19.07	25.24	34.81				

Figure 1 Epping 1 Geothermal Gradient

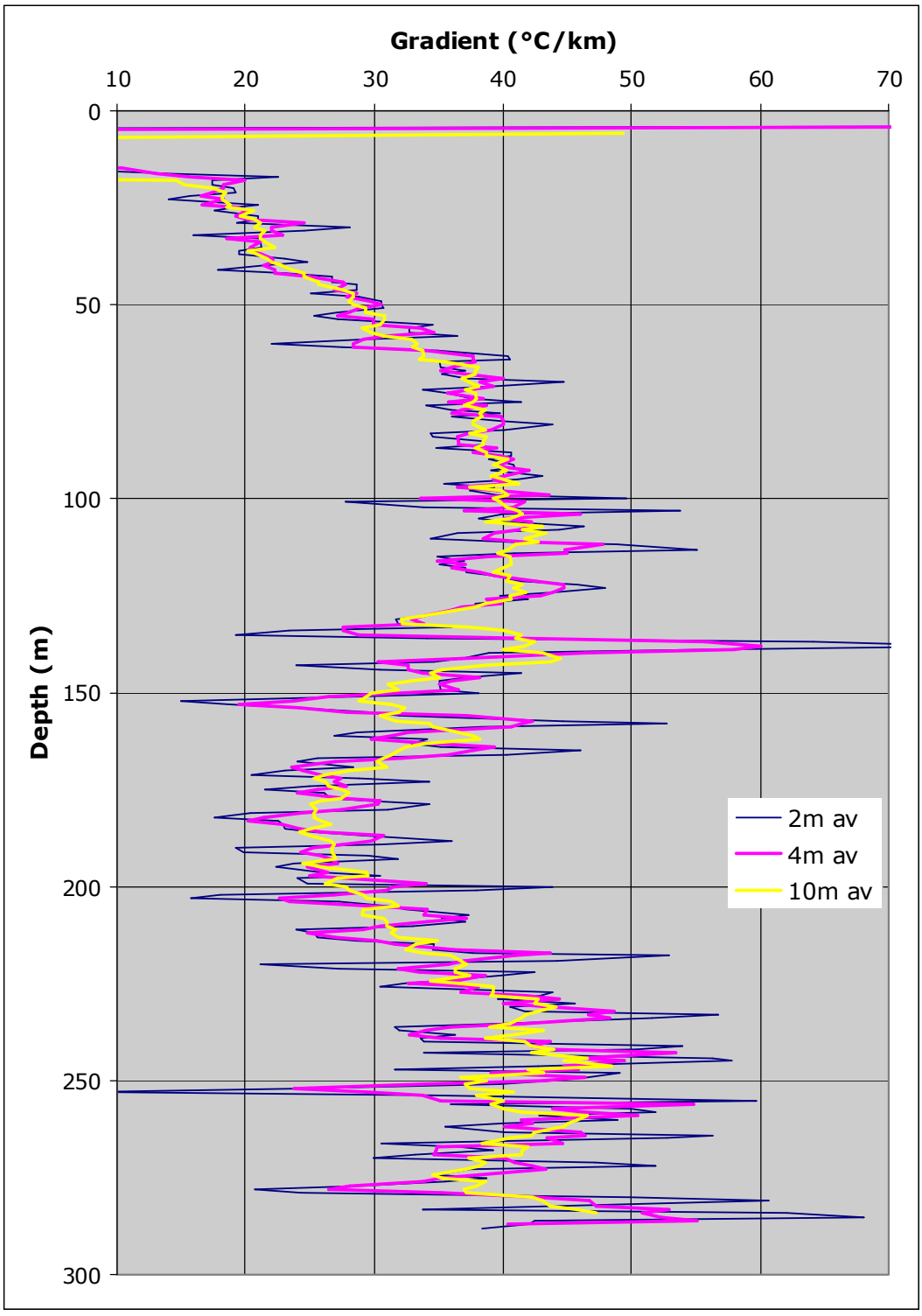


Figure 2 Tower Hill 1 Geothermal Gradient

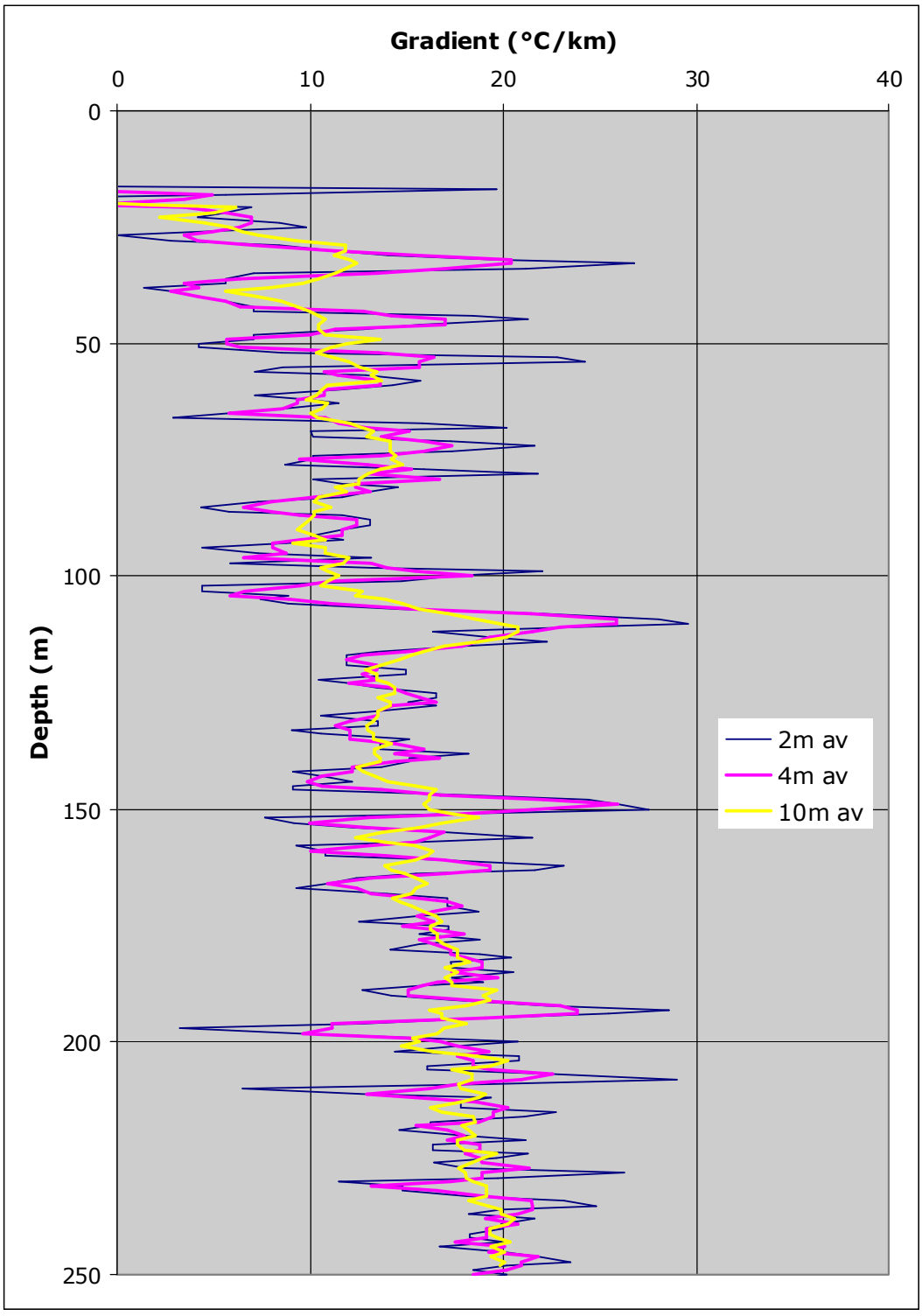


Figure 3 Ben Lomond Geothermal Gradient

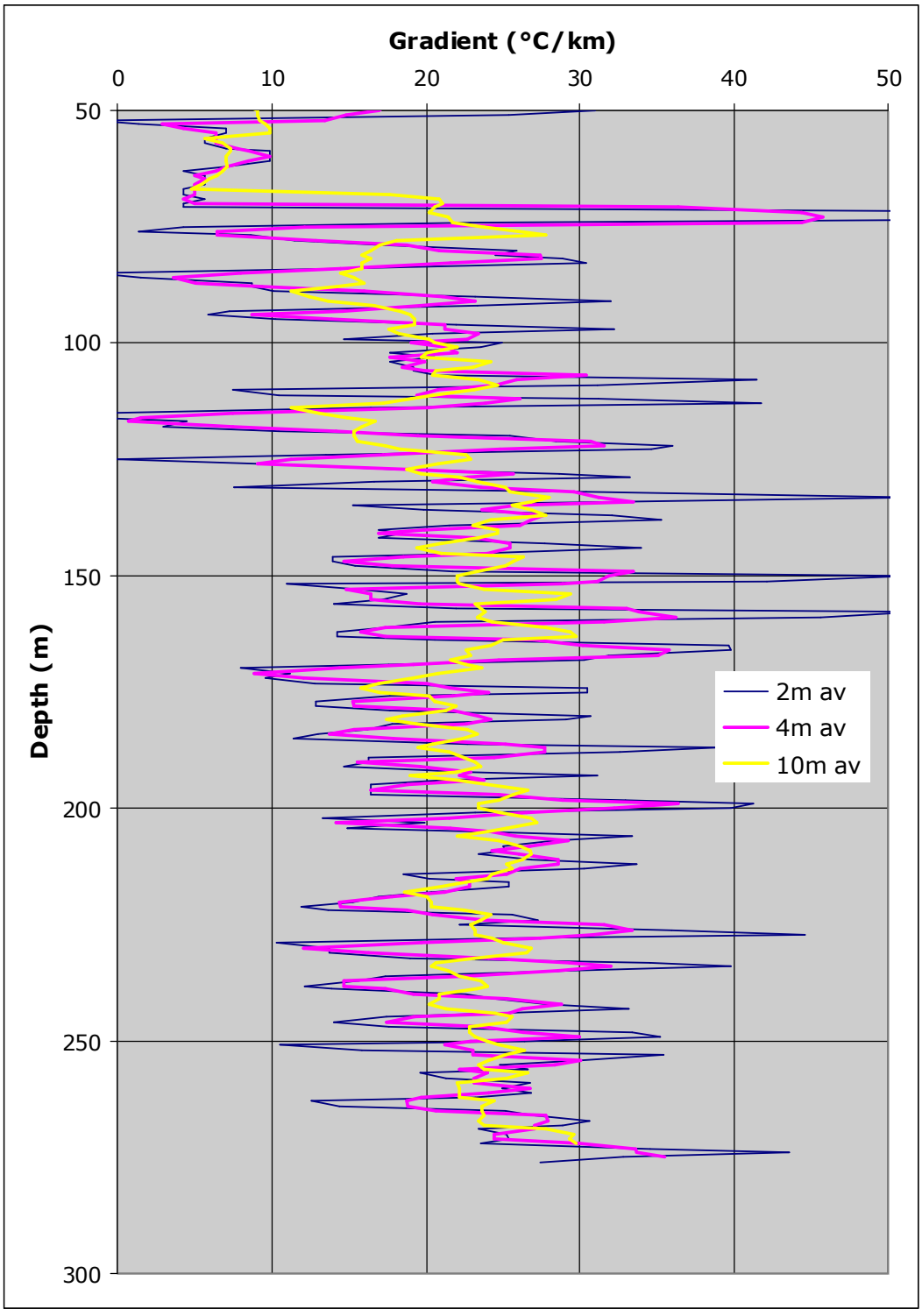


Figure 4 Temple Bar Geothermal Gradient

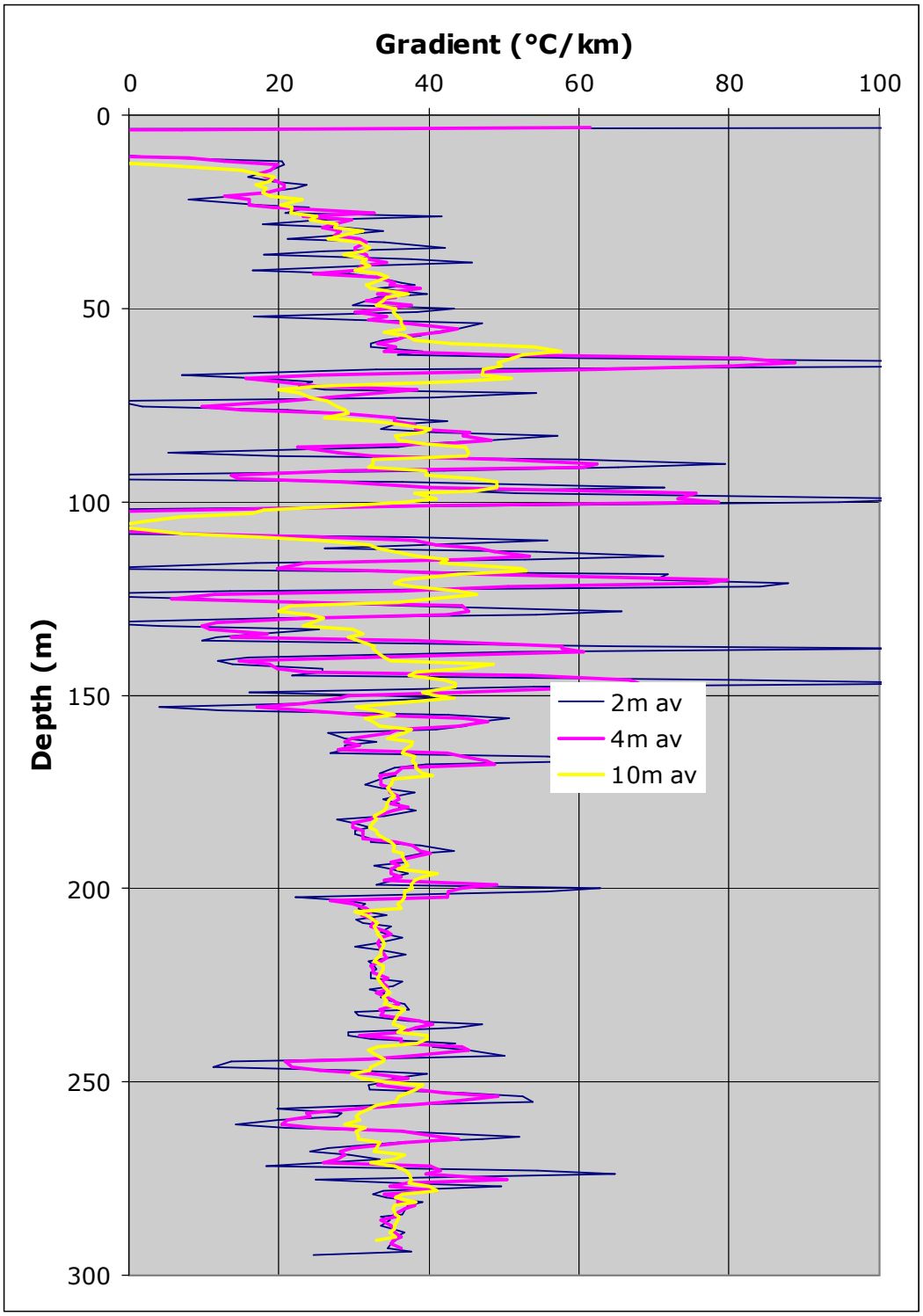


Figure 5. Fingal Geothermal Gradients

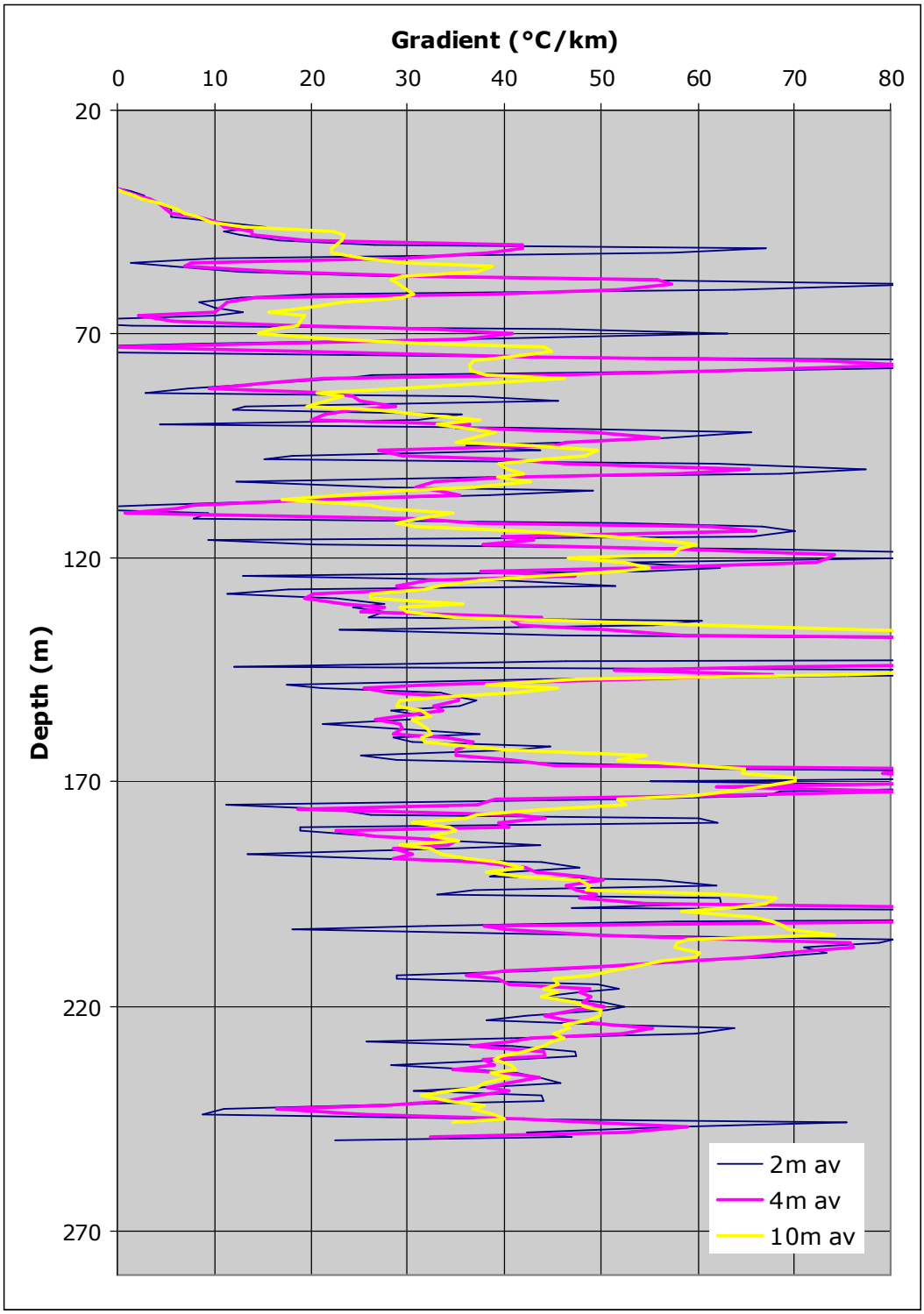


Figure 6. Tiberias Geothermal Gradients

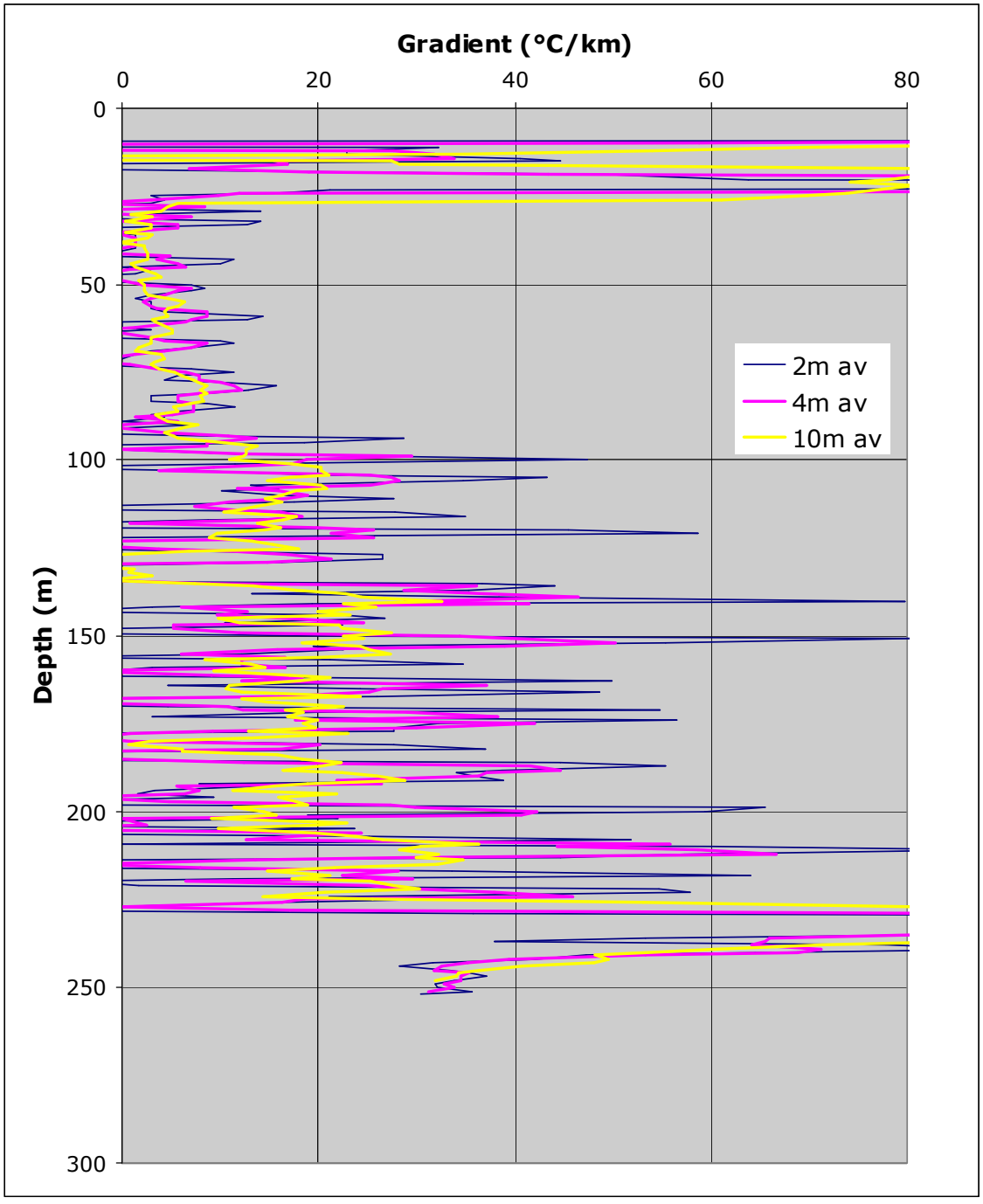


Figure 7. Kingston Geothermal Gradients

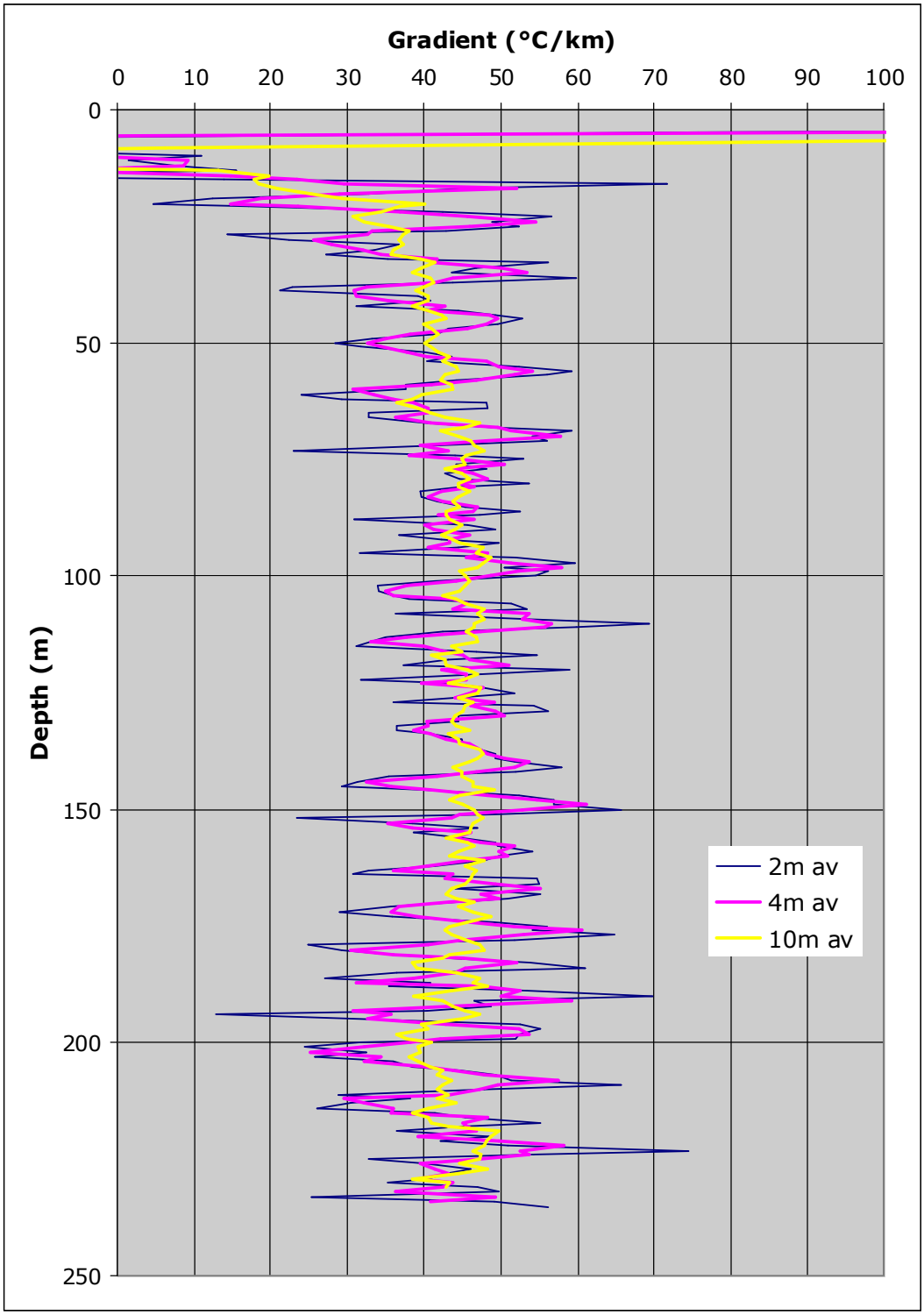
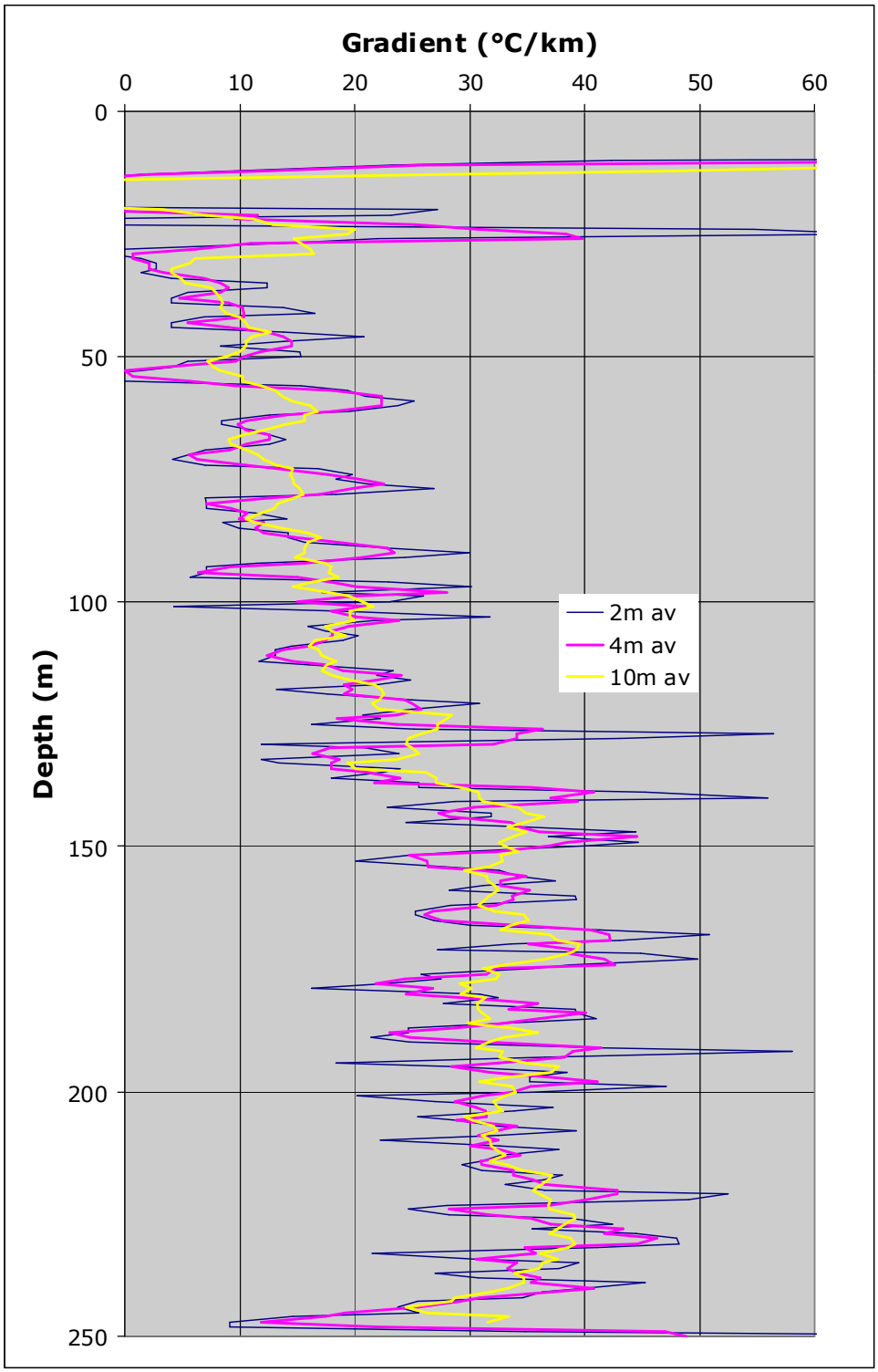


Figure 8. Woodsdale Geothermal Gradients



Appendix 1:

Tables of temperatures recorded

Epping 1. Depth vs Temperature results

Depth	Temperature (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)
1	13.8955	43	14.5989	85	16.0191	127	17.7220
2	14.3538	44	14.6239	86	16.0614	128	17.7557
3	14.7015	45	14.6524	87	16.0961	129	17.7978
4	14.9248	46	14.6810	88	16.1308	130	17.8274
5	14.9321	47	14.7097	89	16.1773	131	17.8655
6	14.8093	48	14.7312	90	16.2122	132	17.8909
7	14.6908	49	14.7671	91	16.2549	133	17.9291
8	14.5945	50	14.7923	92	16.2938	134	17.9631
9	14.5093	51	14.8284	93	16.3367	135	17.9759
10	14.4491	52	14.8536	94	16.3719	136	18.0014
11	14.3892	53	14.8825	95	16.4228	137	18.0441
12	14.3259	54	14.9043	96	16.4543	138	18.1298
13	14.0300	55	14.9369	97	16.4936	139	18.1985
14	14.0404	56	14.9732	98	16.5330	140	18.2417
15	14.0439	57	15.0023	99	16.5686	141	18.2762
16	14.0473	58	15.0387	100	16.6121	142	18.3152
17	14.0716	59	15.0752	101	16.6677	143	18.3456
18	14.0924	60	15.0971	102	16.6677	144	18.3630
19	14.1063	61	15.1191	103	16.7354	145	18.4065
20	14.1271	62	15.1521	104	16.7753	146	18.4457
21	14.1445	63	15.1888	105	16.8154	147	18.4806
22	14.1654	64	15.2330	106	16.8515	148	18.5156
23	14.1759	65	15.2698	107	16.8957	149	18.5507
24	14.1933	66	15.3031	108	16.9440	150	18.5858
25	14.2178	67	15.3401	109	16.9844	151	18.6268
26	14.2317	68	15.3772	110	17.0167	152	18.6431
27	14.2527	69	15.4107	111	17.0532	153	18.6568
28	14.2737	70	15.4516	112	17.0979	154	18.6807
29	14.2948	71	15.5001	113	17.1508	155	18.7046
30	14.3123	72	15.5300	114	17.2080	156	18.7400
31	14.3510	73	15.5675	115	17.2326	157	18.7684
32	14.3615	74	15.6013	116	17.2777	158	18.8293
33	14.3827	75	15.6427	117	17.3064	159	18.8738
34	14.4038	76	15.6841	118	17.3476	160	18.9060
35	14.4250	77	15.7106	119	17.3806	161	18.9311
36	14.4462	78	15.7560	120	17.4219	162	18.9598
37	14.4639	79	15.7901	121	17.4592	163	18.9993
38	14.4852	80	15.8281	122	17.5048	164	19.0253
39	14.5100	81	15.8699	123	17.5506	165	19.0695
40	14.5348	82	15.9157	124	17.6006	166	19.1173
41	14.5526	83	15.9501	125	17.6382	167	19.1499
42	14.5704	84	15.9846	126	17.6801	168	19.1685

Depth	Temperature (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)
169	**19.1980**	209	**20.2868**	249	**21.8570**	289	**23.4766**
170	**19.2252**	210	**20.3272**	250	**21.8779**		
171	**19.2439**	211	**20.3527**	251	**21.9442**		
172	**19.2662**	212	**20.3749**	252	**21.9573**		
173	**19.3013**	213	**20.4034**	253	**21.9924**		
174	**19.3347**	214	**20.4262**	254	**21.9732**		
175	**19.3512**	215	**20.4606**	255	**22.0613**		
176	**19.3777**	216	**20.4955**	256	**22.0924**		
177	**19.4034**	217	**20.5295**	257	**22.1330**		
178	**19.4310**	218	**20.5709**	258	**22.1923**		
179	**19.4623**	219	**20.6353**	259	**22.2368**		
180	**19.4996**	220	**20.6594**	260	**22.2778**		
181	**19.5245**	221	**20.6775**	261	**22.3348**		
182	**19.5402**	222	**20.7138**	262	**22.3578**		
183	**19.5597**	223	**20.7625**	263	**22.4059**		
184	**19.5851**	224	**20.7935**	264	**22.4381**		
185	**19.6055**	225	**20.8320**	265	**22.5187**		
186	**19.6311**	226	**20.8583**	266	**22.5435**		
187	**19.6562**	227	**20.8929**	267	**22.5797**		
188	**19.6892**	228	**20.9460**	268	**22.6165**		
189	**19.7283**	229	**20.9789**	269	**22.6582**		
190	**19.7503**	230	**21.0252**	270	**22.6827**		
191	**19.7667**	231	**21.0702**	271	**22.7181**		
192	**19.7901**	232	**21.1062**	272	**22.7769**		
193	**19.8257**	233	**21.1534**	273	**22.8217**		
194	**19.8539**	234	**21.2198**	274	**22.8519**		
195	**19.8731**	235	**21.2566**	275	**22.8914**		
196	**19.8986**	236	**21.2996**	276	**22.9293**		
197	**19.9249**	237	**21.3198**	277	**22.9624**		
198	**19.9594**	238	**21.3634**	278	**22.9867**		
199	**19.9731**	239	**21.3924**	279	**23.0038**		
200	**20.0091**	240	**21.4306**	280	**23.0354**		
201	**20.0607**	241	**21.4602**	281	**23.1035**		
202	**20.0850**	242	**21.5384**	282	**23.1568**		
203	**20.0969**	243	**21.5610**	283	**23.1908**		
204	**20.1165**	244	**21.6061**	284	**23.2243**		
205	**20.1513**	245	**21.6736**	285	**23.3149**		
206	**20.1785**	246	**21.7216**	286	**23.3604**		
207	**20.2163**	247	**21.7589**	287	**23.3998**		
208	**20.2532**	248	**21.7848**	288	**23.4444**		

Tower Hill 1. Depth vs Temperature results.

Depth	Temperature (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)
1		43	**10.3580**	85	**10.8751**	127	**11.4433**
2		44	**10.3665**	86	**10.8781**	128	**11.4613**
3		45	**10.3949**	87	**10.8868**	129	**11.4764**
4		46	**10.4091**	88	**10.9014**	130	**11.4884**
5	**11.9282**	47	**10.4261**	89	**10.9131**	131	**11.4975**
6	**11.9221**	48	**10.4346**	90	**10.9277**	132	**11.5156**
7	**11.1695**	49	**10.4403**	91	**10.9364**	133	**11.5246**
8	**11.0014**	50	**10.4489**	92	**10.9481**	134	**11.5337**
9	**10.7797**	51	**10.4489**	93	**10.9598**	135	**11.5458**
10	**10.6411**	52	**10.4574**	94	**10.9657**	136	**11.5639**
11	**10.5263**	53	**10.4659**	95	**10.9686**	137	**11.5730**
12	**10.3839**	54	**10.5030**	96	**10.9803**	138	**11.5911**
13	**10.3131**	55	**10.5145**	97	**10.9950**	139	**11.6093**
14	**10.2397**	56	**10.5202**	98	**10.9921**	140	**11.6215**
15	**10.1863**	57	**10.5287**	99	**11.0214**	141	**11.6397**
16	**10.1498**	58	**10.5459**	100	**11.0361**	142	**11.6488**
17	**10.1610**	59	**10.5602**	101	**11.0567**	143	**11.6579**
18	**10.1891**	60	**10.5746**	102	**11.0655**	144	**11.6701**
19	**10.1722**	61	**10.5832**	103	**11.0655**	145	**11.6822**
20	**10.1694**	62	**10.5889**	104	**11.0744**	146	**11.6883**
21	**10.1750**	63	**10.6032**	105	**11.0832**	147	**11.7005**
22	**10.1834**	64	**10.6119**	106	**11.0891**	148	**11.7249**
23	**10.1862**	65	**10.6205**	107	**11.1009**	149	**11.7493**
24	**10.1918**	66	**10.6234**	108	**11.1186**	150	**11.7769**
25	**10.2030**	67	**10.6262**	109	**11.1452**	151	**11.8044**
26	**10.2115**	68	**10.6550**	110	**11.1748**	152	**11.8106**
27	**10.2114**	69	**10.6665**	111	**11.2044**	153	**11.8198**
28	**10.2114**	70	**10.6752**	112	**11.2222**	154	**11.8290**
29	**10.2170**	71	**10.6867**	113	**11.2371**	155	**11.8443**
30	**10.2283**	72	**10.7098**	114	**11.2609**	156	**11.8628**
31	**10.2395**	73	**10.7300**	115	**11.2817**	157	**11.8874**
32	**10.2564**	74	**10.7445**	116	**11.2966**	158	**11.8936**
33	**10.2790**	75	**10.7503**	117	**11.3086**	159	**11.9059**
34	**10.3100**	76	**10.7647**	118	**11.3205**	160	**11.9151**
35	**10.3213**	77	**10.7676**	119	**11.3324**	161	**11.9275**
36	**10.3241**	78	**10.7966**	120	**11.3444**	162	**11.9491**
37	**10.3326**	79	**10.8111**	121	**11.3623**	163	**11.9738**
38	**10.3354**	80	**10.8170**	122	**11.3743**	164	**11.9924**
39	**10.3354**	81	**10.8344**	123	**11.3833**	165	**12.0048**
40	**10.3411**	82	**10.8460**	124	**11.3983**	166	**12.0172**
41	**10.3439**	83	**10.8606**	125	**11.4103**	167	**12.0265**
42	**10.3524**	84	**10.8693**	126	**11.4313**	168	**12.0358**

Depth	Temperature (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)		
169	**12.0544**	209	**12.7639**	249	**13.4982**		
170	**12.0700**	210	**12.7704**	250	**13.5217**		
171	**12.0886**	211	**12.7768**	251	**13.5386**		
172	**12.1042**	212	**12.7962**	252	**13.5588**		
173	**12.1260**	213	**12.8156**	253	**13.5790**		
174	**12.1354**	214	**12.8318**				
175	**12.1510**	215	**12.8513**				
176	**12.1698**	216	**12.8773**				
177	**12.1854**	217	**12.8935**				
178	**12.2011**	218	**12.9098**				
179	**12.2230**	219	**12.9260**				
180	**12.2324**	220	**12.9391**				
181	**12.2512**	221	**12.9619**				
182	**12.2701**	222	**12.9815**				
183	**12.2921**	223	**12.9946**				
184	**12.3047**	224	**13.0142**				
185	**12.3268**	225	**13.0371**				
186	**12.3457**	226	**13.0535**				
187	**12.3615**	227	**13.0699**				
188	**12.3836**	228	**13.0896**				
189	**12.3931**	229	**13.1225**				
190	**12.4089**	230	**13.1291**				
191	**12.4216**	231	**13.1456**				
192	**12.4438**	232	**13.1587**				
193	**12.4660**	233	**13.1752**				
194	**12.5010**	234	**13.1951**				
195	**12.5169**	235	**13.2215**				
196	**12.5393**	236	**13.2447**				
197	**12.5424**	237	**13.2613**				
198	**12.5456**	238	**13.2812**				
199	**12.5616**	239	**13.3044**				
200	**12.5776**	240	**13.3211**				
201	**12.6032**	241	**13.3444**				
202	**12.6128**	242	**13.3577**				
203	**12.6320**	243	**13.3810**				
204	**12.6544**	244	**13.3977**				
205	**12.6737**	245	**13.4144**				
206	**12.6866**	246	**13.4379**				
207	**12.7059**	247	**13.4580**				
208	**12.7316**	248	**13.4848**				

Ben Lomond 1 Depth vs Temperature results.

Depth	Temperature (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)
1	**10.3052**	43	**10.2426**	85	**10.7795**	127	**11.5131**
2	**10.3561**	44	**10.2425**	86	**10.7737**	128	**11.5282**
3	**10.9873**	45	**10.2425**	87	**10.7824**	129	**11.5705**
4	**11.1937**	46	**10.2481**	88	**10.7911**	130	**11.5948**
5	**11.2175**	47	**10.2509**	89	**10.7998**	131	**11.6039**
6	**11.1819**	48	**10.2538**	90	**10.8114**	132	**11.6100**
7	**11.0196**	49	**10.2594**	91	**10.8463**	133	**11.6646**
8	**10.9346**	50	**10.2706**	92	**10.8754**	134	**11.7134**
9	**10.7744**	51	**10.3215**	93	**10.8929**	135	**11.7286**
10	**10.6358**	52	**10.3215**	94	**10.8900**	136	**11.7439**
11	**10.5611**	53	**10.3186**	95	**10.9046**	137	**11.7684**
12	**10.4982**	54	**10.3243**	96	**10.9104**	138	**11.8082**
13	**10.4241**	55	**10.3328**	97	**10.9484**	139	**11.8389**
14	**10.3730**	56	**10.3384**	98	**10.9748**	140	**11.8512**
15	**10.3361**	57	**10.3441**	99	**10.9895**	141	**11.8727**
16	**10.3163**	58	**10.3498**	100	**11.0041**	142	**11.8881**
17	**10.2937**	59	**10.3582**	101	**11.0394**	143	**11.9066**
18	**10.2711**	60	**10.3696**	102	**11.0511**	144	**11.9436**
19	**10.2598**	61	**10.3781**	103	**11.0747**	145	**11.9745**
20	**10.2542**	62	**10.3894**	104	**11.0924**	146	**11.9900**
21	**10.2513**	63	**10.3923**	105	**11.1101**	147	**12.0024**
22	**10.2541**	64	**10.3980**	106	**11.1308**	148	**12.0179**
23	**10.2541**	65	**10.4036**	107	**11.1485**	149	**12.0334**
24	**10.2428**	66	**10.4093**	108	**11.1722**	150	**12.0614**
25	**10.2344**	67	**10.4150**	109	**11.2316**	151	**12.1361**
26	**10.2315**	68	**10.4178**	110	**11.2345**	152	**12.1455**
27	**10.2343**	69	**10.4235**	111	**11.2464**	153	**12.1580**
28	**10.2343**	70	**10.4292**	112	**11.2554**	154	**12.1768**
29	**10.2315**	71	**10.4320**	113	**11.3090**	155	**12.1956**
30	**10.2259**	72	**10.4377**	114	**11.3389**	156	**12.2112**
31	**10.2174**	73	**10.5691**	115	**11.3419**	157	**12.2238**
32	**10.2230**	74	**10.6064**	116	**11.3359**	158	**12.2552**
33	**10.2230**	75	**10.6150**	117	**11.3389**	159	**12.3275**
34	**10.2258**	76	**10.6150**	118	**11.3449**	160	**12.3465**
35	**10.2258**	77	**10.6179**	119	**11.3449**	161	**12.3686**
36	**10.2258**	78	**10.6323**	120	**11.3658**	162	**12.3812**
37	**10.2286**	79	**10.6409**	121	**11.3958**	163	**12.3971**
38	**10.2286**	80	**10.6668**	122	**11.4228**	164	**12.4097**
39	**10.2285**	81	**10.6928**	123	**11.4679**	165	**12.4383**
40	**10.2426**	82	**10.7159**	124	**11.4920**	166	**12.4891**
41	**10.2426**	83	**10.7506**	125	**11.4950**	167	**12.5178**
42	**10.2426**	84	**10.7766**	126	**11.4920**	168	**12.5528**

Depth	Temperature (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)		
169	**12.5784**	209	**13.4423**	249	**14.3694**		
170	**12.5880**	210	**13.4624**	250	**14.4011**		
171	**12.5944**	211	**13.4892**	251	**14.4222**		
172	**12.6104**	212	**13.5161**	252	**14.4222**		
173	**12.6136**	213	**13.5565**	253	**14.4540**		
174	**12.6361**	214	**13.5767**	254	**14.4930**		
175	**12.6746**	215	**13.5936**	255	**14.5142**		
176	**12.6971**	216	**13.6173**	256	**14.5426**		
177	**12.7100**	217	**13.6443**	257	**14.5675**		
178	**12.7229**	218	**13.6681**	258	**14.5818**		
179	**12.7358**	219	**13.6850**	259	**14.6103**		
180	**12.7583**	220	**13.7020**	260	**14.6352**		
181	**12.7971**	221	**13.7156**	261	**14.6602**		
182	**12.8165**	222	**13.7258**	262	**14.6889**		
183	**12.8327**	223	**13.7428**	263	**14.7068**		
184	**12.8489**	224	**13.7769**	264	**14.7140**		
185	**12.8587**	225	**13.7974**	265	**14.7355**		
186	**12.8717**	226	**13.8213**	266	**14.7642**		
187	**12.9042**	227	**13.8692**	267	**14.7894**		
188	**12.9498**	228	**13.9103**	268	**14.8254**		
189	**12.9694**	229	**13.9207**	269	**14.8471**		
190	**12.9824**	230	**13.9310**	270	**14.8724**		
191	**13.0020**	231	**13.9482**	271	**14.8977**		
192	**13.0119**	232	**13.9585**	272	**14.9231**		
193	**13.0479**	233	**13.9861**	273	**14.9448**		
194	**13.0741**	234	**14.0275**	274	**14.9921**		
195	**13.0906**	235	**14.0656**	275	**15.0321**		
196	**13.1070**	236	**14.0864**	276	**15.0577**		
197	**13.1235**	237	**14.1002**	277	**15.0869**		
198	**13.1399**	238	**14.1176**				
199	**13.1894**	239	**14.1246**				
200	**13.2225**	240	**14.1454**				
201	**13.2689**	241	**14.1698**				
202	**13.2689**	242	**14.1942**				
203	**13.2955**	243	**14.2256**				
204	**13.3088**	244	**14.2605**				
205	**13.3254**	245	**14.2745**				
206	**13.3554**	246	**14.2956**				
207	**13.3921**	247	**14.3026**				
208	**13.4121**	248	**14.3307**				

Temple Bar 1 Depth vs Temperature results.

Depth	Temperature (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)
1	**13.9710**	43	**13.1267**	85	**14.7127**	127	**16.0707**
2	**14.0746**	44	**13.1728**	86	**14.7665**	128	**16.1285**
3	**14.4066**	45	**13.2026**	87	**14.7844**	129	**16.2020**
4	**14.3784**	46	**13.2390**	88	**14.7772**	130	**16.2369**
5	**14.2172**	47	**13.2821**	89	**14.8240**	131	**16.2408**
6	**14.1024**	48	**13.3054**	90	**14.8962**	132	**16.2252**
7	**12.4983**	49	**13.3453**	91	**14.9832**	133	**16.2485**
8	**12.4379**	50	**13.3653**	92	**15.0269**	134	**16.2757**
9	**12.3399**	51	**13.4321**	93	**15.0670**	135	**16.2834**
10	**12.3462**	52	**13.4421**	94	**15.0123**	136	**16.2990**
11	**12.3305**	53	**13.4656**	95	**15.0378**	137	**16.3028**
12	**12.3557**	54	**13.5025**	96	**15.0852**	138	**16.4279**
13	**12.3715**	55	**13.5596**	97	**15.1805**	139	**16.5144**
14	**12.3968**	56	**13.5900**	98	**15.1731**	140	**16.5301**
15	**12.4095**	57	**13.6406**	99	**15.2836**	141	**16.5459**
16	**12.4317**	58	**13.6677**	100	**15.3873**	142	**16.5537**
17	**12.4412**	59	**13.7084**	101	**15.4728**	143	**16.5735**
18	**12.4698**	60	**13.7322**	102	**15.4877**	144	**16.6051**
19	**12.4889**	61	**13.7730**	103	**15.4467**	145	**16.6249**
20	**12.5144**	62	**13.8106**	104	**15.4206**	146	**16.6486**
21	**12.5240**	63	**13.8447**	105	**15.4057**	147	**16.7880**
22	**12.5431**	64	**13.9304**	106	**15.3797**	148	**16.8721**
23	**12.5399**	65	**14.0996**	107	**15.3611**	149	**16.8962**
24	**12.5783**	66	**14.1656**	108	**15.3351**	150	**16.9042**
25	**12.5879**	67	**14.1655**	109	**15.3536**	151	**16.9647**
26	**12.6199**	68	**14.1795**	110	**15.4092**	152	**16.9889**
27	**12.6712**	69	**14.2004**	111	**15.4651**	153	**17.0091**
28	**12.6712**	70	**14.2283**	112	**15.4874**	154	**16.9970**
29	**12.7066**	71	**14.2457**	113	**15.5173**	155	**17.0334**
30	**12.7292**	72	**14.2807**	114	**15.5959**	156	**17.0821**
31	**12.7744**	73	**14.3543**	115	**15.6598**	157	**17.1350**
32	**12.7841**	74	**14.3614**	116	**15.7013**	158	**17.1757**
33	**12.8164**	75	**14.3508**	117	**15.6937**	159	**17.2248**
34	**12.8521**	76	**14.3649**	118	**15.6899**	160	**17.2575**
35	**12.9008**	77	**14.3930**	119	**15.7390**	161	**17.2780**
36	**12.9041**	78	**14.4212**	120	**15.8338**	162	**17.3150**
37	**12.9366**	79	**14.4636**	121	**15.8794**	163	**17.3438**
38	**12.9791**	80	**14.5060**	122	**16.0094**	164	**17.3727**
39	**13.0281**	81	**14.5344**	123	**16.0478**	165	**17.4015**
40	**13.0412**	82	**14.5735**	124	**16.0362**	166	**17.4263**
41	**13.0609**	83	**14.6162**	125	**16.0247**	167	**17.5134**
42	**13.1003**	84	**14.6876**	126	**16.0554**	168	**17.5508**

Depth	Temperature (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)
169	**17.5925**	209	**18.9867**	249	**20.3565**	289	**21.7501**
170	**17.6217**	210	**19.0222**	250	**20.3893**	290	**21.7859**
171	**17.6593**	211	**19.0565**	251	**20.4255**	291	**21.8212**
172	**17.6929**	212	**19.0894**	252	**20.4531**	292	**21.8571**
173	**17.7264**	213	**19.1251**	253	**20.4895**	293	**21.8910**
174	**17.7559**	214	**19.1622**	254	**20.5425**	294	**21.9260**
175	**17.7938**	215	**19.1912**	255	**20.5946**	295	**21.9662**
176	**17.8317**	216	**19.2225**	256	**20.6503**	296	**21.9752**
177	**17.8656**	217	**19.2585**	257	**20.6591**		
178	**17.8994**	218	**19.2963**	258	**20.6900**		
179	**17.9376**	219	**19.3274**	259	**20.7160**		
180	**17.9716**	220	**19.3598**	260	**20.7455**		
181	**18.0142**	221	**19.3928**	261	**20.7558**		
182	**18.0399**	222	**19.4259**	262	**20.7741**		
183	**18.0698**	223	**19.4576**	263	**20.7978**		
184	**18.0997**	224	**19.4903**	264	**20.8451**		
185	**18.1340**	225	**19.5304**	265	**20.9020**		
186	**18.1598**	226	**19.5605**	266	**20.9393**		
187	**18.1942**	227	**19.5947**	267	**20.9736**		
188	**18.2244**	228	**19.6286**	268	**20.9925**		
189	**18.2589**	229	**19.6620**	269	**21.0219**		
190	**18.3021**	230	**19.6979**	270	**21.0514**		
191	**18.3455**	231	**19.7356**	271	**21.0889**		
192	**18.3802**	232	**19.7725**	272	**21.1034**		
193	**18.4194**	233	**19.7960**	273	**21.1255**		
194	**18.4543**	234	**19.8334**	274	**21.2124**		
195	**18.4848**	235	**19.8701**	275	**21.2552**		
196	**18.5242**	236	**19.9275**	276	**21.2618**		
197	**18.5593**	237	**19.9577**	277	**21.3270**		
198	**18.5944**	238	**19.9860**	278	**21.3610**		
199	**18.6296**	239	**20.0163**	279	**21.3946**		
200	**18.6604**	240	**20.0504**	280	**21.4261**		
201	**18.7555**	241	**20.1032**	281	**21.4633**		
202	**18.7720**	242	**20.1313**	282	**21.5042**		
203	**18.8000**	243	**20.1937**	283	**21.5375**		
204	**18.8302**	244	**20.2315**	284	**21.5780**		
205	**18.8628**	245	**20.2545**	285	**21.6103**		
206	**18.8913**	246	**20.2589**	286	**21.6453**		
207	**18.9262**	247	**20.2771**	287	**21.6798**		
208	**18.9598**	248	**20.3189**	288	**21.7124**		

Fingal 1 Depth vs Temperature Results

Depth	Temperature (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)
1	**7.4182**	43	**9.9558**	85	**11.1005**	127	**12.7520**
2	**8.3278**	44	**9.9613**	86	**11.1182**	128	**12.7649**
3	**8.8551**	45	**9.9669**	87	**11.1271**	129	**12.7747**
4	**9.3310**	46	**9.9836**	88	**11.1419**	130	**12.8103**
5	**9.7072**	47	**9.9975**	89	**11.1982**	131	**12.8297**
6	**9.8886**	48	**10.0059**	90	**11.2041**	132	**12.8590**
7	**10.0078**	49	**10.0226**	91	**11.2071**	133	**12.8850**
8	**10.0858**	50	**10.0393**	92	**11.2874**	134	**12.9110**
9	**10.1530**	51	**10.0755**	93	**11.3382**	135	**13.0057**
10	**10.1979**	52	**10.1735**	94	**11.4011**	136	**13.0221**
11	**10.2119**	53	**10.1903**	95	**11.4311**	137	**13.0516**
12	**10.2345**	54	**10.1932**	96	**11.4733**	138	**13.1140**
13	**10.1895**	55	**10.1932**	97	**11.5185**	139	**13.2395**
14	**10.2064**	56	**10.2044**	98	**11.5095**	140	**13.4226**
15	**10.2092**	57	**10.2185**	99	**11.5487**	141	**13.6007**
16	**10.1840**	58	**10.2608**	100	**11.6336**	142	**13.9174**
17	**10.1587**	59	**10.3201**	101	**11.7036**	143	**14.0484**
18	**10.1644**	60	**10.4279**	102	**11.7709**	144	**14.0104**
19	**10.1560**	61	**10.4478**	103	**11.7801**	145	**14.0727**
20	**10.1196**	62	**10.4678**	104	**11.7954**	146	**14.1943**
21	**10.0833**	63	**10.4735**	105	**11.8353**	147	**14.2537**
22	**10.0610**	64	**10.4849**	106	**11.8938**	148	**14.2818**
23	**10.0471**	65	**10.4935**	107	**11.9123**	149	**14.2888**
24	**10.0360**	66	**10.5107**	108	**11.9371**	150	**14.3239**
25	**10.0248**	67	**10.5135**	109	**11.9186**	151	**14.3556**
26	**10.0165**	68	**10.4936**	110	**11.9248**	152	**14.3943**
27	**10.0026**	69	**10.5164**	111	**11.9372**	153	**14.4296**
28	**9.9777**	70	**10.5852**	112	**11.9403**	154	**14.4650**
29	**9.9721**	71	**10.6427**	113	**12.0425**	155	**14.4863**
30	**9.9666**	72	**10.6571**	114	**12.0736**	156	**14.5289**
31	**9.9639**	73	**10.6600**	115	**12.1829**	157	**14.5466**
32	**9.9583**	74	**10.6456**	116	**12.2048**	158	**14.5716**
33	**9.9528**	75	**10.6399**	117	**12.2017**	159	**14.6036**
34	**9.9445**	76	**10.7351**	118	**12.2457**	160	**14.6465**
35	**9.9418**	77	**10.8337**	119	**12.3338**	161	**14.6608**
36	**9.9390**	78	**10.9358**	120	**12.4350**	162	**14.7074**
37	**9.9363**	79	**10.9651**	121	**12.4986**	163	**14.7505**
38	**9.9363**	80	**10.9886**	122	**12.5401**	164	**14.7900**
39	**9.9391**	81	**11.0121**	123	**12.6232**	165	**14.8009**
40	**9.9419**	82	**11.0209**	124	**12.6489**	166	**14.8478**
41	**9.9447**	83	**11.0268**	125	**12.6490**	167	**14.9129**
42	**9.9502**	84	**11.0268**	126	**12.7294**	168	**14.9710**

Depth	Temperature (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)
169	**15.1498**	209	**17.1865**	249	**18.9011**		
170	**15.1646**	210	**17.2356**	250	**18.9459**		
171	**15.2603**	211	**17.3013**	251	**18.9459**		
172	**15.3565**	212	**17.3384**				
173	**15.3973**	213	**17.3879**				
174	**15.4905**	214	**17.3962**				
175	**15.5018**	215	**17.4459**				
176	**15.5130**	216	**17.4957**				
177	**15.5467**	217	**17.5498**				
178	**15.5655**	218	**17.5915**				
179	**15.6671**	219	**17.6375**				
180	**15.6897**	220	**17.6920**				
181	**15.7049**	221	**17.7425**				
182	**15.7276**	222	**17.7930**				
183	**15.7579**	223	**17.8269**				
184	**15.7959**	224	**17.8692**				
185	**15.8453**	225	**17.9286**				
186	**15.8644**	226	**17.9967**				
187	**15.8721**	227	**18.0480**				
188	**15.9179**	228	**18.0779**				
189	**15.9600**	229	**18.0994**				
190	**16.0137**	230	**18.1595**				
191	**16.0407**	231	**18.1940**				
192	**16.0908**	232	**18.2544**				
193	**16.1526**	233	**18.2761**				
194	**16.2146**	234	**18.3108**				
195	**16.2263**	235	**18.3499**				
196	**16.2808**	236	**18.3934**				
197	**16.3510**	237	**18.4370**				
198	**16.4059**	238	**18.4851**				
199	**16.4451**	239	**18.5114**				
200	**16.6465**	240	**18.5465**				
201	**16.7222**	241	**18.5992**				
202	**16.7621**	242	**18.6345**				
203	**16.7861**	243	**18.6478**				
204	**16.7982**	244	**18.6567**				
205	**16.8825**	245	**18.6656**				
206	**16.9590**	246	**18.7363**				
207	**17.0400**	247	**18.8163**				
208	**17.1009**	248	**18.8519**				

Tiberias 1 Depth vs Temperature Results

Depth	Temperature (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)
1	**5.8773**	43	**10.3101**	85	**10.5042**	127	**11.0127**
2	**6.8594**	44	**10.3327**	86	**10.5185**	128	**11.0480**
3	**7.5357**	45	**10.3299**	87	**10.5157**	129	**11.0658**
4	**8.0550**	46	**10.3328**	88	**10.5243**	130	**11.0805**
5	**8.4795**	47	**10.3356**	89	**10.5243**	131	**11.0718**
6	**8.8436**	48	**10.3357**	90	**10.5243**	132	**11.0159**
7	**8.9587**	49	**10.3215**	91	**10.5387**	133	**10.9837**
8	**9.1646**	50	**10.3272**	92	**10.5244**	134	**10.9340**
9	**10.0707**	51	**10.3357**	93	**10.5244**	135	**10.9311**
10	**9.3353**	52	**10.3442**	94	**10.5416**	136	**11.0073**
11	**9.3917**	53	**10.3499**	95	**10.5817**	137	**11.0191**
12	**9.3998**	54	**10.3499**	96	**10.5789**	138	**11.0780**
13	**9.4375**	55	**10.3528**	97	**10.5588**	139	**11.0457**
14	**9.4456**	56	**10.3557**	98	**10.5761**	140	**11.1549**
15	**9.5185**	57	**10.3585**	99	**10.5818**	141	**11.2053**
16	**9.5348**	58	**10.3614**	100	**10.6278**	142	**11.1935**
17	**9.4996**	59	**10.3671**	101	**10.6768**	143	**11.2113**
18	**9.5132**	60	**10.3898**	102	**10.6509**	144	**11.1788**
19	**9.5457**	61	**10.3926**	103	**10.6510**	145	**11.2560**
20	**9.6109**	62	**10.3898**	104	**10.6654**	146	**11.2323**
21	**9.6736**	63	**10.3927**	105	**10.6914**	147	**11.2770**
22	**10.2278**	64	**10.3955**	106	**10.7522**	148	**11.2770**
23	**10.2673**	65	**10.3842**	107	**10.7609**	149	**11.2771**
24	**10.2701**	66	**10.3899**	108	**10.7783**	150	**11.2533**
25	**10.2984**	67	**10.4041**	109	**10.7929**	151	**11.3249**
26	**10.2758**	68	**10.4127**	110	**10.7987**	152	**11.4148**
27	**10.3069**	69	**10.4184**	111	**10.8249**	153	**11.4358**
28	**10.2815**	70	**10.4184**	112	**10.8541**	154	**11.4539**
29	**10.2844**	71	**10.4213**	113	**10.8599**	155	**11.4811**
30	**10.3098**	72	**10.4184**	114	**10.8425**	156	**11.4781**
31	**10.2844**	73	**10.4099**	115	**10.8542**	157	**11.4601**
32	**10.2844**	74	**10.4100**	116	**10.8980**	158	**11.5204**
33	**10.3127**	75	**10.4242**	117	**10.9243**	159	**11.5295**
34	**10.3099**	76	**10.4328**	118	**10.9156**	160	**11.5265**
35	**10.3071**	77	**10.4356**	119	**10.9127**	161	**11.5266**
36	**10.3071**	78	**10.4413**	120	**10.9011**	162	**11.4995**
37	**10.3100**	79	**10.4556**	121	**11.0036**	163	**11.5660**
38	**10.3100**	80	**10.4727**	122	**11.0183**	164	**11.5993**
39	**10.3128**	81	**10.4813**	123	**10.9978**	165	**11.5751**
40	**10.3128**	82	**10.4899**	124	**11.0038**	166	**11.6480**
41	**10.3157**	83	**10.4870**	125	**10.9979**	167	**11.6723**
42	**10.3101**	84	**10.4956**	126	**10.9951**	168	**11.6998**

Depth	Temperature (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)
169	**11.6390**	209	**12.3027**	249	**14.5437**		
170	**11.6330**	210	**12.3153**	250	**14.5757**		
171	**11.6482**	211	**12.4228**	251	**14.6078**		
172	**11.7427**	212	**12.4927**	252	**14.6471**		
173	**11.6879**	213	**12.5373**	253	**14.6686**		
174	**11.7489**	214	**12.5821**				
175	**11.8010**	215	**12.5374**				
176	**11.8133**	216	**12.5470**				
177	**11.8563**	217	**12.5216**				
178	**11.8687**	218	**12.6142**				
179	**11.8380**	219	**12.6495**				
180	**11.8166**	220	**12.6368**				
181	**11.8442**	221	**12.6400**				
182	**11.8719**	222	**12.6401**				
183	**11.9182**	223	**12.7494**				
184	**11.8813**	224	**12.7559**				
185	**11.8291**	225	**12.7915**				
186	**11.8199**	226	**12.8239**				
187	**11.9184**	227	**12.8240**				
188	**11.9308**	228	**12.8208**				
189	**11.9957**	229	**12.7917**				
190	**11.9989**	230	**12.8922**				
191	**12.0672**	231	**13.1706**				
192	**12.0766**	232	**13.4499**				
193	**12.0829**	233	**13.6351**				
194	**12.1047**	234	**13.7675**				
195	**12.0892**	235	**13.8734**				
196	**12.1079**	236	**13.9559**				
197	**12.1080**	237	**13.9800**				
198	**12.0862**	238	**14.0318**				
199	**12.1080**	239	**14.1358**				
200	**12.2175**	240	**14.2125**				
201	**12.2269**	241	**14.2649**				
202	**12.2552**	242	**14.3070**				
203	**12.2710**	243	**14.3491**				
204	**12.2176**	244	**14.3703**				
205	**12.2334**	245	**14.4055**				
206	**12.2648**	246	**14.4373**				
207	**12.1990**	247	**14.4763**				
208	**12.3152**	248	**14.5117**				

Kingston 1 Depth vs Temperature Results

Depth	Temperature (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)
1	**10.7194**	43	**13.0836**	85	**14.9069**	127	**16.8099**
2	**11.2381**	44	**13.1362**	86	**14.9540**	128	**16.8420**
3	**12.0028**	45	**13.1824**	87	**15.0121**	129	**16.9183**
4	**12.2901**	46	**13.2419**	88	**15.0486**	130	**16.9546**
5	**12.4386**	47	**13.2816**	89	**15.0741**	131	**17.0071**
6	**12.4417**	48	**13.3282**	90	**15.1400**	132	**17.0436**
7	**12.4100**	49	**13.3648**	91	**15.1730**	133	**17.0801**
8	**12.0711**	50	**13.3948**	92	**15.2134**	134	**17.1167**
9	**12.0276**	51	**13.4215**	93	**15.2576**	135	**17.1615**
10	**12.0493**	52	**13.4583**	94	**15.3130**	136	**17.2064**
11	**12.0493**	53	**13.5020**	95	**15.3463**	137	**17.2514**
12	**12.0524**	54	**13.5457**	96	**15.3760**	138	**17.3007**
13	**12.0648**	55	**13.5827**	97	**15.4504**	139	**17.3501**
14	**12.0835**	56	**13.6503**	98	**15.4951**	140	**17.3995**
15	**12.0151**	57	**13.7012**	99	**15.5512**	141	**17.4533**
16	**12.1115**	58	**13.7624**	100	**15.6075**	142	**17.5155**
17	**12.1583**	59	**13.7896**	101	**15.6602**	143	**17.5571**
18	**12.2020**	60	**13.8374**	102	**15.6904**	144	**17.5863**
19	**12.2240**	61	**13.8648**	103	**15.7281**	145	**17.6197**
20	**12.2271**	62	**13.8854**	104	**15.7584**	146	**17.6448**
21	**12.2333**	63	**13.9231**	105	**15.8001**	147	**17.6993**
22	**12.2616**	64	**13.9816**	106	**15.8344**	148	**17.7497**
23	**12.3182**	65	**14.0195**	107	**15.9029**	149	**17.8129**
24	**12.3750**	66	**14.0472**	108	**15.9411**	150	**17.8636**
25	**12.4162**	67	**14.0853**	109	**15.9756**	151	**17.9442**
26	**12.4796**	68	**14.1269**	110	**16.0485**	152	**17.9612**
27	**12.5019**	69	**14.1825**	111	**16.1140**	153	**17.9910**
28	**12.5082**	70	**14.2453**	112	**16.1682**	154	**18.0380**
29	**12.5465**	71	**14.2908**	113	**16.1992**	155	**18.0850**
30	**12.5816**	72	**14.3575**	114	**16.2380**	156	**18.1150**
31	**12.6136**	73	**14.3751**	115	**16.2652**	157	**18.1752**
32	**12.6360**	74	**14.4033**	116	**16.3003**	158	**18.2140**
33	**12.6841**	75	**14.4633**	117	**16.3588**	159	**18.2744**
34	**12.7485**	76	**14.5093**	118	**16.4097**	160	**18.3221**
35	**12.7775**	77	**14.5519**	119	**16.4450**	161	**18.3742**
36	**12.8358**	78	**14.6052**	120	**16.4844**	162	**18.4177**
37	**12.8974**	79	**14.6373**	121	**16.5632**	163	**18.4570**
38	**12.9234**	80	**14.6945**	122	**16.5791**	164	**18.4832**
39	**12.9430**	81	**14.7447**	123	**16.6266**	165	**18.5182**
40	**12.9658**	82	**14.7842**	124	**16.6663**	166	**18.5928**
41	**13.0213**	83	**14.8238**	125	**16.7220**	167	**18.6280**
42	**13.0475**	84	**14.8635**	126	**16.7699**	168	**18.6810**

Depth	Temperature (Deg C)	Depth	Temp (Deg C)				
169	**18.7385**	209	**20.4514**				
170	**18.7829**	210	**20.5159**				
171	**18.8273**	211	**20.5470**				
172	**18.8541**	212	**20.5733**				
173	**18.8853**	213	**20.6236**				
174	**18.9256**	214	**20.6344**				
175	**18.9838**	215	**20.6755**				
176	**19.0378**	216	**20.7172**				
177	**19.0918**	217	**20.7659**				
178	**19.1673**	218	**20.8275**				
179	**19.1955**	219	**20.8562**				
180	**19.2173**	220	**20.9002**				
181	**19.2537**	221	**20.9533**				
182	**19.2892**	222	**20.9842**				
183	**19.3399**	223	**21.0550**				
184	**19.3971**	224	**21.1330**				
185	**19.4619**	225	**21.1637**				
186	**19.4702**	226	**21.1989**				
187	**19.5158**	227	**21.2437**				
188	**19.5519**	228	**21.2912**				
189	**19.5866**	229	**21.3297**				
190	**19.6589**	230	**21.3718**				
191	**19.7260**	231	**21.4003**				
192	**19.7521**	232	**21.4660**				
193	**19.8232**	233	**21.4997**				
194	**19.8326**	234	**21.5166**				
195	**19.8491**	235	**21.5981**				
196	**19.8942**	236	**21.6289**				
197	**19.9541**						
198	**20.0046**						
199	**20.0586**						
200	**20.1085**						
201	**20.1224**						
202	**20.1576**						
203	**20.1873**						
204	**20.2093**						
205	**20.2596**						
206	**20.2860**						
207	**20.3490**						
208	**20.3847**						

Woodsdale 1 Depth vs Temperature Results

Depth	Temperature (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)
1	**7.0960**	43	**9.9027**	85	**10.4097**	127	**11.2139**
2	**7.4402**	44	**9.9054**	86	**10.4239**	128	**11.2883**
3	**7.8849**	45	**9.9110**	87	**10.4381**	129	**11.3002**
4	**8.3891**	46	**9.9331**	88	**10.4523**	130	**11.3121**
5	**8.7202**	47	**9.9525**	89	**10.4694**	131	**11.3420**
6	**8.9890**	48	**9.9608**	90	**10.4979**	132	**11.3600**
7	**9.2218**	49	**9.9691**	91	**10.5294**	133	**11.3659**
8	**9.4092**	50	**9.9913**	92	**10.5465**	134	**11.3869**
9	**9.6420**	51	**9.9996**	93	**10.5522**	135	**11.4139**
10	**9.6938**	52	**10.0024**	94	**10.5608**	136	**11.4319**
11	**9.7267**	53	**10.0080**	95	**10.5666**	137	**11.4499**
12	**9.7404**	54	**10.0052**	96	**10.5723**	138	**11.4830**
13	**9.7458**	55	**9.9996**	97	**10.6125**	139	**11.5011**
14	**9.7431**	56	**10.0052**	98	**10.6326**	140	**11.5736**
15	**9.7349**	57	**10.0302**	99	**10.6470**	141	**11.6130**
16	**9.7157**	58	**10.0441**	100	**10.6844**	142	**11.6312**
17	**9.6993**	59	**10.0720**	101	**10.6931**	143	**11.6585**
18	**9.6856**	60	**10.0943**	102	**10.6931**	144	**11.6951**
19	**9.6120**	61	**10.1195**	103	**10.7306**	145	**11.7225**
20	**9.6175**	62	**10.1334**	104	**10.7566**	146	**11.7439**
21	**9.6665**	63	**10.1446**	105	**10.7740**	147	**11.7928**
22	**9.6638**	64	**10.1502**	106	**10.7885**	148	**11.8327**
23	**9.6583**	65	**10.1614**	107	**10.8088**	149	**11.8665**
24	**9.6556**	66	**10.1726**	108	**10.8292**	150	**11.9219**
25	**9.7678**	67	**10.1867**	109	**10.8466**	151	**11.9466**
26	**9.7870**	68	**10.2007**	110	**10.8583**	152	**11.9806**
27	**9.8117**	69	**10.2119**	111	**10.8728**	153	**11.9961**
28	**9.8145**	70	**10.2147**	112	**10.8845**	154	**12.0209**
29	**9.8117**	71	**10.2232**	113	**10.8961**	155	**12.0520**
30	**9.8117**	72	**10.2232**	114	**10.9166**	156	**12.0862**
31	**9.8145**	73	**10.2372**	115	**10.9429**	157	**12.1204**
32	**9.8172**	74	**10.2569**	116	**10.9604**	158	**12.1610**
33	**9.8200**	75	**10.2767**	117	**10.9927**	159	**12.1829**
34	**9.8200**	76	**10.2936**	118	**11.0044**	160	**12.2174**
35	**9.8282**	77	**10.3190**	119	**11.0191**	161	**12.2613**
36	**9.8447**	78	**10.3473**	120	**11.0396**	162	**12.2959**
37	**9.8530**	79	**10.3558**	121	**11.0691**	163	**12.3179**
38	**9.8558**	80	**10.3615**	122	**11.1015**	164	**12.3463**
39	**9.8613**	81	**10.3700**	123	**11.1192**	165	**12.3684**
40	**9.8640**	82	**10.3756**	124	**11.1428**	166	**12.4001**
41	**9.8889**	83	**10.3926**	125	**11.1635**	167	**12.4286**
42	**9.8971**	84	**10.4040**	126	**11.1754**	168	**12.4825**

Depth	Temperature (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)	Depth	Temp (Deg C)
169	**12.5303**	209	**13.8513**	249	**15.1589**		
170	**12.5686**	210	**13.8719**	250	**15.2214**		
171	**12.5974**	211	**13.8959**	251	**15.3284**		
172	**12.6230**	212	**13.9371**	252	**15.3469**		
173	**12.6872**	213	**13.9715**				
174	**12.7226**	214	**14.0026**				
175	**12.7645**	215	**14.0336**				
176	**12.7936**	216	**14.0613**				
177	**12.8162**	217	**14.0959**				
178	**12.8486**	218	**14.1376**				
179	**12.8616**	219	**14.1689**				
180	**12.8811**	220	**14.2038**				
181	**12.9234**	221	**14.2422**				
182	**12.9462**	222	**14.3087**				
183	**12.9788**	223	**14.3403**				
184	**13.0246**	224	**14.3649**				
185	**13.0574**	225	**14.3895**				
186	**13.1066**	226	**14.4212**				
187	**13.1231**	227	**14.4672**				
188	**13.1560**	228	**14.5061**				
189	**13.1725**	229	**14.5380**				
190	**13.1989**	230	**14.5949**				
191	**13.2221**	231	**14.6341**				
192	**13.2817**	232	**14.6913**				
193	**13.3382**	233	**14.7164**				
194	**13.3549**	234	**14.7343**				
195	**13.3749**	235	**14.7774**				
196	**13.4116**	236	**14.8134**				
197	**13.4518**	237	**14.8531**				
198	**13.4819**	238	**14.8676**				
199	**13.5223**	239	**14.9146**				
200	**13.5761**	240	**14.9581**				
201	**13.5930**	241	**14.9944**				
202	**13.6167**	242	**15.0308**				
203	**13.6471**	243	**15.0637**				
204	**13.6912**	244	**15.0819**				
205	**13.7149**	245	**15.1112**				
206	**13.7421**	246	**15.1332**				
207	**13.7728**	247	**15.1405**				
208	**13.8069**	248	**15.1515**				