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Coastal Temperature Monitoring Program for 1995: Southern Gulf of St. Lawrence

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**Canadian Data Report of
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Abstract

Lanteigne, M., F. Savoie, G. Robichaud and W. Landsburg. 1996. Coastal Temperature monitoring program for 1995: Southern Gulf of St. Lawrence. Can. Data Rep. Fish. Aquat. Sci. 997: 58 p.

Surface and bottom water temperatures were monitored electronically during four to six months at various locations in the southern Gulf of St. Lawrence. The data are presented in tables and time-series plots using mean daily temperatures and accumulated degree-days.

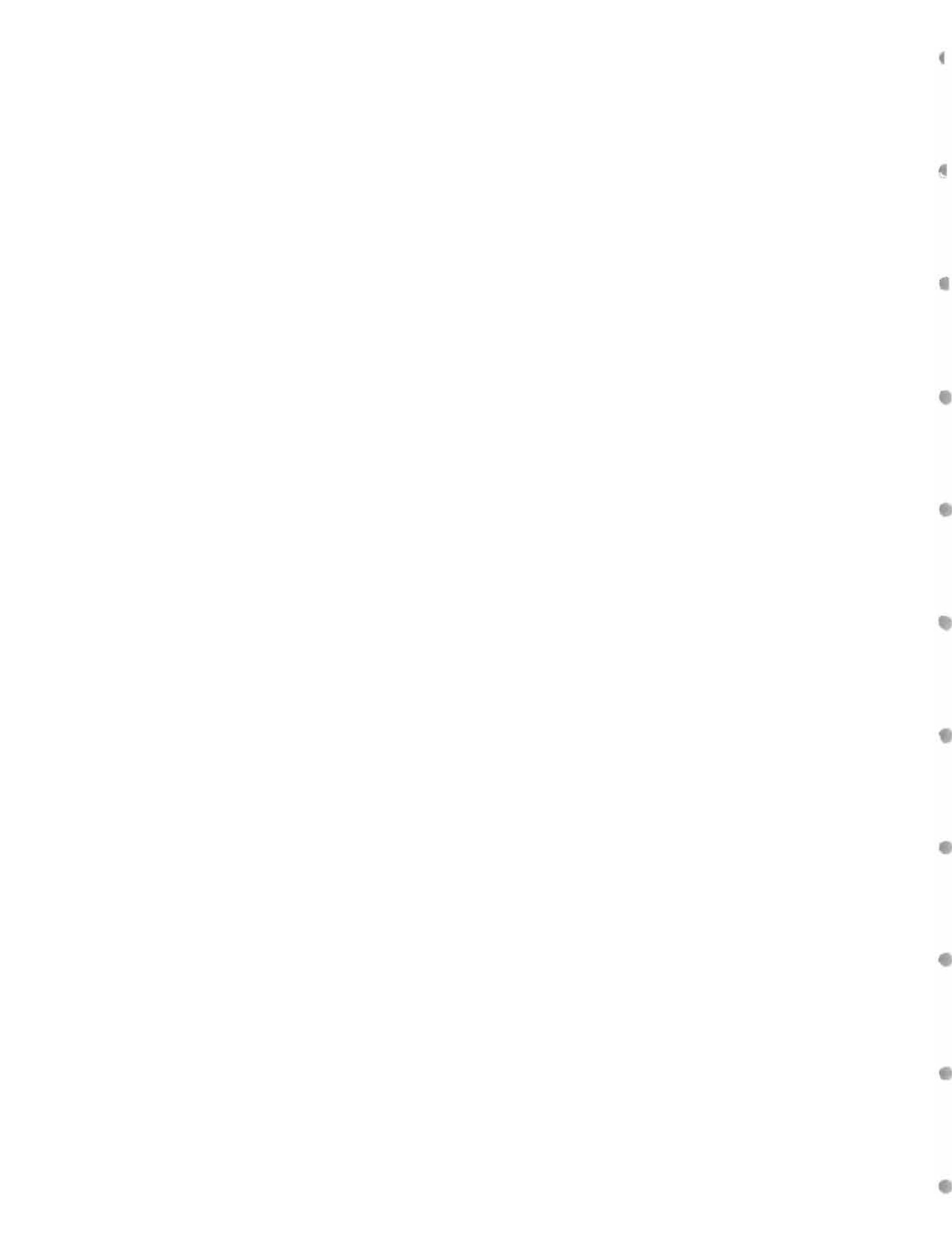
Key words: sea temperature, environmental parameter

Résumé

Lanteigne, M., F. Savoie, G. Robichaud and W. Landsburg. 1996. Coastal Temperature monitoring program for 1995: Southern Gulf of St. Lawrence. Can. Data Rep. Fish. Aquat. Sci. 997: 58 p.

Les températures de l'eau en surface et au fond ont été enregistrées électroniquement pendant quatre à six mois à différents sites dans le sud du golfe du Saint-Laurent. Les données sont présentées dans des tableaux et des graphiques de séries chronologiques en utilisant les températures journalières moyennes et les degrés-jour cumulés.

Mots clés: température de l'eau, paramètre environnemental



Introduction

Over the last century, coastal temperature data has been sporadically collected in the Gulf of St. Lawrence. An organized program, the Long-Term Temperature Monitoring Program (Gregory and Dobson, 1978) consisting of a network of coastal water temperature recording devices, was initiated in 1978. This program was unfortunately terminated in the mid 1980's.

A new generation of temperature recorder is now available. These recorders are more reliable and less expensive to operate than the ones used in the past. These technological changes made it possible to revive part of the temperature monitoring program. In 1995, temperature data from coastal areas was collected extensively from Northern New Brunswick through to Cape-Breton and on Prince Edward Island. In all, 25 sites were chosen in the southern Gulf of St-Lawrence. From the initial 25 sites, only 13 moorings were recovered. This project was initiated in order to answer questions related to the different coastal fisheries (ex: scallop, herring) but mainly for the lobster fishery. Instrument maintenance, distribution, retrieval, data analysis and publication was carried out by the Lobster Research Group in Moncton, N.-B. The data presented in this report was collected during the 1995 field season.

Materials and methods

Vemco "MINILOG" and "SEALOG" electronic temperature recorders were used for this project. Equipment specifications are presented in Table 1.

Table 1. Electronic temperature recorder specifications.

	MINILOG-TR	SEALOG-TP
Temperature	-5 °C to 35 °C 0.2° C resolution ± 0.3° C accuracy	-5 °C to 45 °C 0.2° C resolution ± 0.3° C accuracy
Time constant	30 seconds in stirred liquid	15 seconds in stirred liquid
Memory size	8,064 temperature readings	30,000 temperature readings
Batteries	Internal lithium battery, factory replaceable Battery live up to 5 years	Two 9V alkaline battery Up to 1.5 year life depending on operating mode. One 1/2AA 2.6VDC lithium battery for memory backup, battery life of 3 years+
Logging interval	Programmable, 1 second to 6 hours	Programmable

The mooring system used were described by Dobson et Petrie. (1985). Each site was selected with the objective of having the mooring placed at a depth of 20 meters. For each mooring system, two temperature loggers were installed; one instrument two (2) meters from the surface and another one (1) meter from the bottom.

The temperature loggers were programmed to record temperature and time every 2 hours. The deployment of the mooring was conducted in May and June by DFO staff and by local fishers on some occasions. Recovery of the equipment was conducted in September and October. The position (latitude, longitude) of each temperature logger was taken using GPS (Global Positioning System) or LORAN C technology.

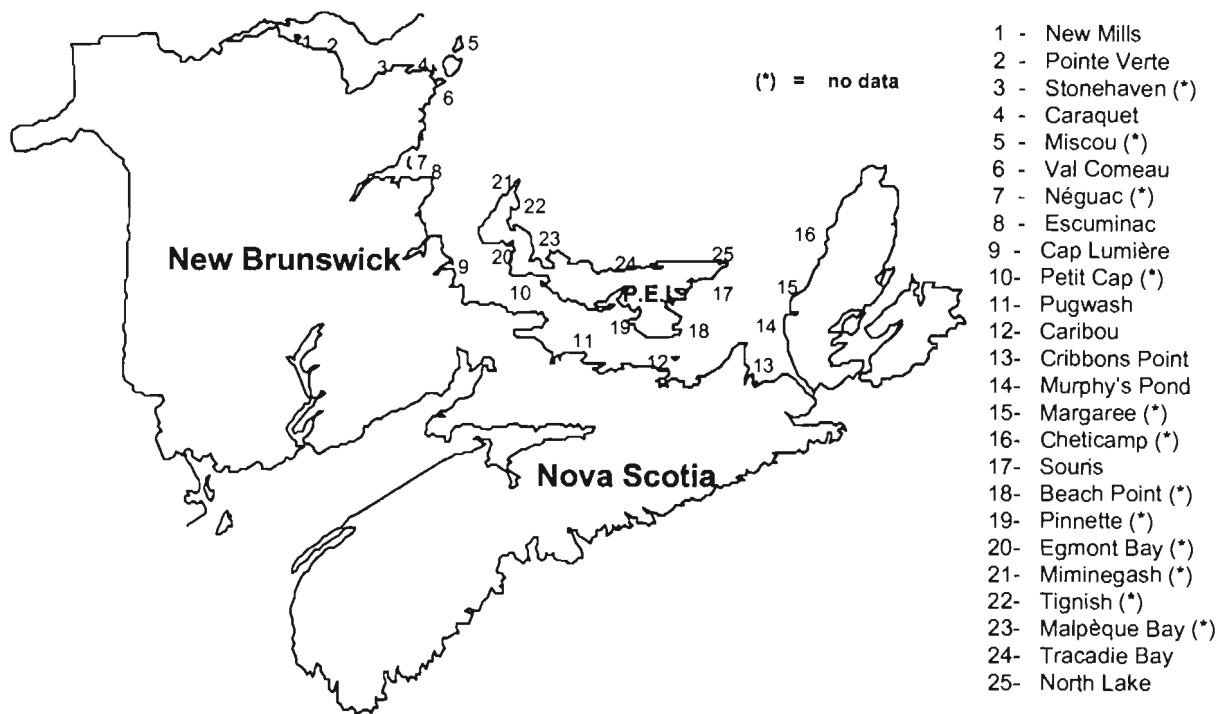


Figure 1. Water temperature monitoring stations.

Data presentation

The site positions (lat., long.) and characteristics (code name, deployment and retrieval dates, depth) are presented in Figure 1 and Table 2. For each site, the complete data set is presented as time series plots on a scale of 6 month/plot from May 1 to October 30 (Figures 2 to 14 and Tables 3 to 15). Three graphs are presented for each location showing:

Table 2. Positions and depths of the stations where the equipment was recovered.

Stations	Latitude (deg. min. sec.)	Longitude (deg. min. sec.)	Depth (m)
Caraquet (4)	47 52 49	64 53 51	20
Cap Lumière (9)	46 40 00	64 35 49	20
Caribou (12)	45 47 13	62 47 41	20
Cribbons Point (13)	45 46 09	61 53 24	20
Escuminac (8)	47 06 36	64 43 05	22
Murphy's Pond (14)	46 01 10	61 34 34	20
New Mills (1)	48 01 07	66 06 25	20
North Lake (25)	46 29 31	62 09 58	20
Pointe Verte (2)	47 50 04	65 42 26	20
Pugwash (11)	45 56 08	63 34 24	29
Souris (17)	46 20 09	62 14 51	20
Tracadie Bay (24)	46 26 06	63 00 30	20
Val Comeau (6)	47 27 27	64 47 35	20

- the daily mean bottom and surface temperatures
- the monthly accumulated degree days calculations relative to 0 °C
- the monthly accumulated degree days calculations relative to 4 °C.

These data are presented in tables, along with daily temperature minima, maxima and standard deviations. The accumulated degree days (ADD) relative to the reference temperatures (T_{ref}) of 0 °C and 4 °C are also presented.

The accumulated degree days were calculated using the following equations:

$$ADD = \sum(T - T_{ref}) \times time$$

where T = mean daily temperature
 T_{ref} = reference temperature (0 °C and 4 °C)
time = time given in days

When the temperature reading was less than the reference temperature (T_{ref}), the accumulated degree days were not incremented;

$$\text{if } T < T_{ref} \text{ then } T - T_{ref} = 0$$

The ADD were used to calculate the monthly accumulated degree days (MADD). The results for each site are presented in Table 16. The average monthly water temperature can be calculated by dividing any MADD value by the number of days in a particular month.

The MADD calculations were not conducted on months having less than 15 days of temperature data. The information for incomplete months with 15 days or more was extrapolated to the full month. The calculation procedures have been described by Walker *et al.* (1987).

Acknowledgments

Thanks to the numerous DFO employees and fishers that were involved in this activity.

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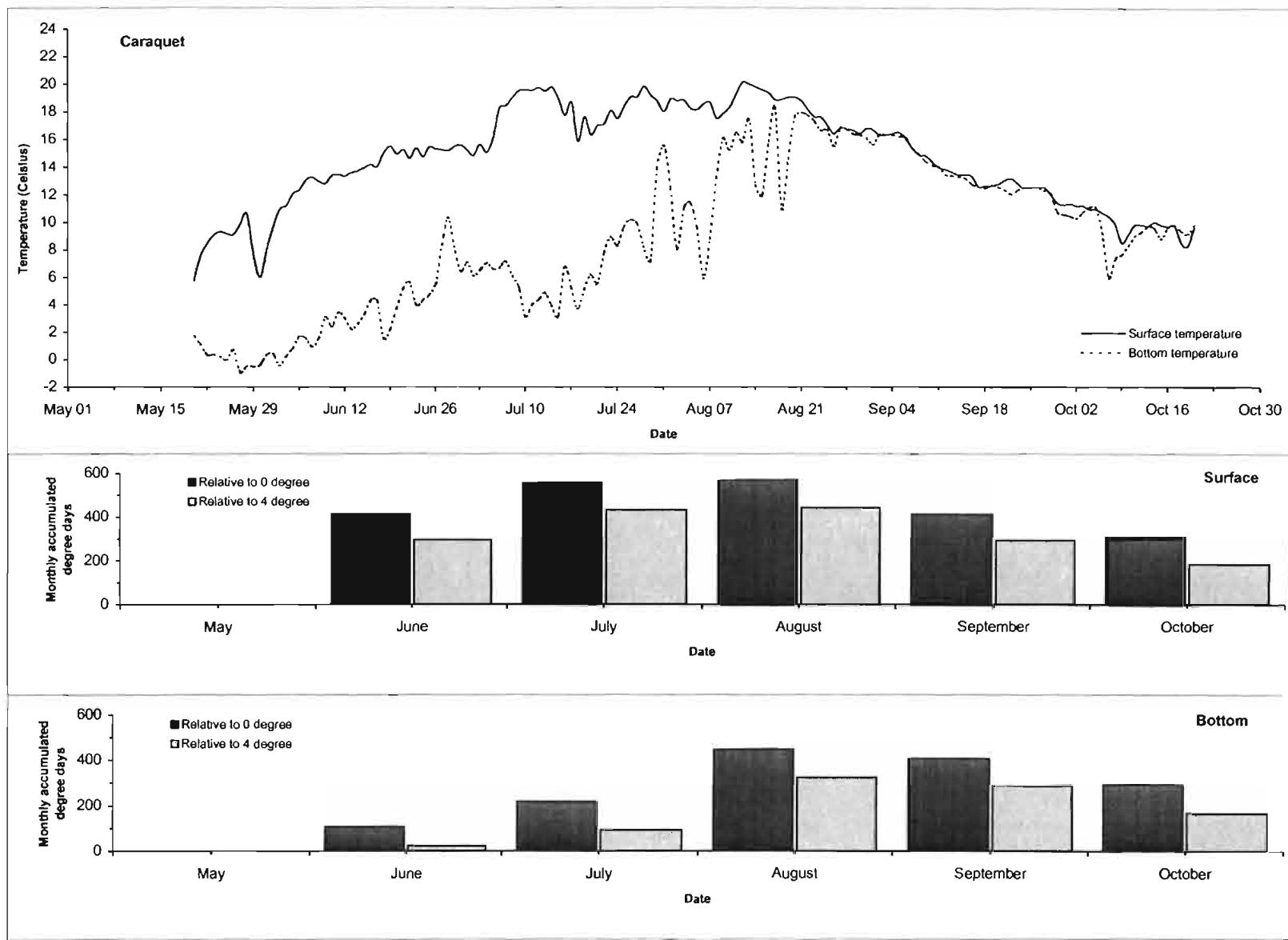


Figure 2. Daily 1995 temperature data and monthly accumulated degree days for Caraquet station (4).

Table 3. Temperature data for Caraquet station (4).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
140	20-May-95	5.7	0.57	5.1	6.6	5.7	1.7	1.7	0.39	1.3	2.3	1.7	0.0
141	21-May-95	7.6	0.91	5.7	8.8	13.3	5.3	1.1	0.71	-0.1	2.3	2.8	0.0
142	22-May-95	8.5	0.67	7.5	9.7	21.8	9.8	0.3	0.41	-0.3	0.8	3.1	0.0
143	23-May-95	9.1	0.42	8.4	9.7	30.8	14.8	0.3	0.25	-0.1	0.7	3.4	0.0
144	24-May-95	9.3	0.45	8.4	9.9	40.1	20.1	0.2	0.64	-0.4	1.7	3.6	0.0
145	25-May-95	9.2	0.58	8.4	10.1	49.3	25.3	0.0	0.53	-0.8	0.8	3.6	0.0
146	26-May-95	9.1	0.55	8.2	9.7	58.4	30.4	0.7	1.55	-0.9	4.5	4.3	0.0
147	27-May-95	9.9	0.85	8.1	10.9	68.3	36.3	-1.0	0.34	-1.2	0	4.3	0.0
148	28-May-95	10.6	0.67	9.6	11.9	79.0	43.0	-0.5	0.33	-1	0.1	4.3	0.0
149	29-May-95	7.6	1.40	4.8	8.8	86.6	46.6	-0.5	0.09	-0.7	-0.4	4.3	0.0
150	30-May-95	6.0	0.51	5	6.5	92.6	48.6	-0.4	0.45	-0.9	0.6	4.3	0.0
151	31-May-95	8.1	0.87	6.3	9.3	100.7	52.7	0.3	0.54	-0.3	1.2	4.7	0.0
152	01-Jun-95	9.8	0.80	8.7	10.9	9.8	5.8	0.4	0.64	-0.5	1.4	0.4	0.0
153	02-Jun-95	11.0	0.35	10.4	11.5	20.7	12.7	-0.5	0.19	-0.8	-0.2	0.4	0.0
154	03-Jun-95	11.2	0.21	10.7	11.5	31.9	19.9	0.3	0.60	-0.6	1.4	0.6	0.0
155	04-Jun-95	12.1	0.51	11.3	12.8	44.0	28.0	0.8	0.83	-0.2	2.9	1.5	0.0
156	05-Jun-95	12.4	0.46	11.6	12.8	56.4	36.4	1.7	0.59	0.9	2.8	3.1	0.0
157	06-Jun-95	13.1	0.39	12.1	13.6	69.4	45.4	1.5	0.57	0.4	2.7	4.7	0.0
158	07-Jun-95	13.3	0.73	12.2	14.5	82.7	54.7	0.9	0.34	0.3	1.5	5.6	0.0
159	08-Jun-95	13.0	0.40	12.5	14	95.6	63.6	1.6	0.67	0.5	2.5	7.1	0.0
160	09-Jun-95	12.8	0.92	11.3	14.2	108.5	72.5	3.1	1.42	1	5.7	10.3	0.0
161	10-Jun-95	13.4	0.52	12.4	14.2	121.9	81.9	2.4	1.10	1.1	4.3	12.7	0.0
162	11-Jun-95	13.5	0.15	13.3	13.7	135.3	91.3	3.4	1.61	1.6	6.5	16.1	0.0
163	12-Jun-95	13.3	0.12	13.1	13.6	148.7	100.7	3.0	0.98	1.6	4.6	19.1	0.0
164	13-Jun-95	13.6	0.45	13.1	14.6	162.2	110.2	2.2	0.69	1.1	3.2	21.3	0.0
165	14-Jun-95	13.7	0.48	12.5	14.3	175.9	119.9	2.6	1.13	1.2	4.7	23.9	0.0
166	15-Jun-95	13.9	0.26	13.3	14.3	189.9	129.9	3.3	0.99	1.6	4.8	27.2	0.0
167	16-Jun-95	14.2	0.26	13.7	14.5	204.0	140.0	4.3	0.80	2.9	5.4	31.5	0.3
168	17-Jun-95	14.0	0.31	13.7	14.8	218.1	150.1	4.3	1.74	2.2	6.5	35.8	0.6
169	18-Jun-95	15.0	0.61	14.5	16.1	233.1	161.1	1.6	0.64	0.6	3	37.4	0.6
170	19-Jun-95	15.5	0.35	15.2	16.4	248.6	172.6	2.2	0.73	1.1	3.6	39.6	0.6
171	20-Jun-95	14.9	0.47	14.2	15.7	263.5	183.5	3.7	4.23	1.1	13.6	43.3	0.6
172	21-Jun-95	15.3	0.37	14.8	16.1	278.8	194.8	5.2	1.84	1.5	8.3	48.5	1.8
173	22-Jun-95	14.6	0.41	13.7	15.1	293.4	205.4	5.7	3.00	1.8	12.2	54.1	3.5
174	23-Jun-95	15.4	0.36	14.8	15.8	308.8	216.8	4.0	1.65	2.4	7	58.1	3.5
175	24-Jun-95	14.7	0.51	14	15.7	323.5	227.5	4.3	0.95	2.9	6.1	62.5	3.8
176	25-Jun-95	15.5	0.89	13.9	17	339.0	239.0	4.7	0.37	4.1	5.3	67.2	4.5
177	26-Jun-95	15.3	0.91	13.6	16.7	354.3	250.3	5.5	1.41	3.5	8.2	72.7	6.0
178	27-Jun-95	15.2	0.48	14.3	15.7	369.5	261.5	8.3	1.95	4.9	10.8	81.0	10.3
179	28-Jun-95	15.2	0.42	14.5	15.7	384.7	272.7	10.3	0.65	9.6	11.5	91.3	16.7
180	29-Jun-95	15.5	0.46	14.8	16.1	400.2	284.2	7.9	2.00	4.6	10.1	99.2	20.6
181	30-Jun-95	15.6	0.32	15.2	16.3	415.8	295.8	6.4	0.75	5.1	7.3	105.7	23.0
182	01-Jul-95	15.2	0.38	14.3	15.5	15.2	11.2	7.1	0.29	6.7	7.6	7.1	3.1

Table 3. Temperature data for Caraquet station (4).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
183	02-Jul-95	14.8	0.39	14.2	15.4	30.0	22.0	6.1	0.34	5.5	6.5	13.2	5.2
184	03-Jul-95	15.7	0.28	15.2	16.1	45.7	33.7	6.5	0.58	6	7.8	19.7	7.7
185	04-Jul-95	15.1	0.52	14.6	16.1	60.8	44.8	7.0	0.80	5.9	8	26.7	10.7
186	05-Jul-95	16.1	0.78	15.4	17.6	76.8	56.8	6.6	0.51	6	7.4	33.3	13.3
187	06-Jul-95	18.3	0.46	17.6	19.2	95.1	71.1	6.7	1.20	4.8	8.8	40.0	16.0
188	07-Jul-95	18.5	0.13	18.3	18.7	113.6	85.6	7.2	1.09	5.7	9.4	47.2	19.2
189	08-Jul-95	19.1	0.52	18.3	19.8	132.6	100.6	6.1	1.29	4.8	9.3	53.3	21.3
190	09-Jul-95	19.6	0.17	19.2	19.8	152.2	116.2	5.3	2.35	1.5	8.8	58.5	22.5
191	10-Jul-95	19.6	0.21	19.2	19.8	171.8	131.8	3.1	1.35	1.6	6	61.6	22.5
192	11-Jul-95	19.6	0.21	19.2	19.8	191.3	147.3	4.0	1.09	2.5	5.3	65.6	22.5
193	12-Jul-95	19.7	0.26	19.4	20.3	211.1	163.1	4.3	0.88	2.5	5.5	69.9	22.9
194	13-Jul-95	19.5	0.13	19.4	19.7	230.6	178.6	4.9	1.13	2.7	6.6	74.8	23.7
195	14-Jul-95	19.8	0.26	19.4	20.1	250.3	194.3	3.9	0.90	2.8	4.9	78.7	23.7
196	15-Jul-95	19.0	0.58	18	19.8	269.3	209.3	3.2	1.22	1.2	4.8	81.9	23.7
197	16-Jul-95	17.7	0.62	16.9	18.7	287.0	223.0	6.8	2.62	4.3	13.6	88.6	26.5
198	17-Jul-95	18.7	0.48	17.8	19.4	305.7	237.7	5.3	2.01	2.8	8.6	93.9	27.7
199	18-Jul-95	15.9	0.91	13.9	17.2	321.6	249.6	3.7	1.38	1.5	6.5	97.6	27.7
200	19-Jul-95	17.7	1.11	14.8	18.6	339.2	263.2	5.1	1.36	3.1	8.1	102.7	28.9
201	20-Jul-95	16.3	0.44	15.5	16.7	355.5	275.5	6.2	0.66	4.4	6.8	108.9	31.1
202	21-Jul-95	17.0	0.62	16.4	18.1	372.6	288.6	5.6	0.66	4	6.3	114.5	32.6
203	22-Jul-95	17.1	0.99	16.1	18.6	389.7	301.7	7.8	2.13	5	12.5	122.3	36.4
204	23-Jul-95	18.1	0.36	17.5	18.6	407.8	315.8	9.0	1.41	6.4	11.3	131.2	41.4
205	24-Jul-95	17.5	0.44	16.9	18.3	425.3	329.3	8.3	1.26	6.7	10.1	139.5	45.7
206	25-Jul-95	18.4	0.48	18	19.4	443.7	343.7	9.7	1.65	6.5	12.1	149.2	51.4
207	26-Jul-95	19.1	0.50	18.4	20	462.8	358.8	10.2	1.68	7.1	13.4	159.4	57.6
208	27-Jul-95	19.1	0.48	18.4	19.7	481.9	373.9	9.9	1.93	6.8	12.5	169.3	63.5
209	28-Jul-95	19.9	0.66	19	20.9	501.7	389.7	8.3	1.45	6	10.3	177.6	67.7
210	29-Jul-95	19.2	0.52	18.6	20	520.9	404.9	7.2	0.93	5.3	8.9	184.8	70.9
211	30-Jul-95	18.8	0.23	18.4	19.2	539.7	419.7	13.9	3.88	7.3	19	198.7	80.9
212	31-Jul-95	18.1	0.28	17.5	18.4	557.8	433.8	15.6	2.22	11.5	17.4	214.3	92.4
213	01-Aug-95	19.0	0.72	17.8	20.1	19.0	15.0	12.5	5.15	5.3	18.6	12.5	8.5
214	02-Aug-95	18.8	0.35	18.1	19.4	37.8	29.8	8.1	1.56	6.1	11.4	20.5	12.5
215	03-Aug-95	18.9	0.36	18.4	19.5	56.6	44.6	11.0	1.93	8.3	14.3	31.6	19.6
216	04-Aug-95	18.3	0.22	18	18.6	74.9	58.9	11.5	1.93	9.6	15	43.0	27.0
217	05-Aug-95	18.2	0.21	17.8	18.4	93.1	73.1	9.6	3.35	5.4	13.8	52.6	32.6
218	06-Aug-95	18.6	0.44	18	19.2	111.7	87.7	5.9	0.63	5	7.4	58.6	34.6
219	07-Aug-95	18.7	0.18	18.3	19	130.4	102.4	8.8	1.85	5.4	11.2	67.4	39.4
220	08-Aug-95	17.5	0.39	16.9	18.1	147.9	115.9	13.2	2.30	9.4	17.4	80.6	48.6
221	09-Aug-95	17.9	0.22	17.5	18.3	165.8	129.8	16.1	2.09	10.9	17.8	96.6	60.6
222	10-Aug-95	18.3	0.62	17.5	19.7	184.1	144.1	15.3	1.68	10.7	16.7	111.9	71.9
223	11-Aug-95	19.3	0.33	18.9	19.8	203.4	159.4	16.5	1.77	11.8	18.3	128.4	84.4
224	12-Aug-95	20.2	0.40	19.4	20.5	223.6	175.6	15.8	3.56	9.7	19.7	144.2	96.2
225	13-Aug-95	20.0	0.21	19.7	20.3	243.6	191.6	17.5	2.87	11.8	20.3	161.7	109.7
226	14-Aug-95	19.8	0.16	19.7	20.1	263.4	207.4	12.7	1.50	10.9	15.8	174.4	118.4
227	15-Aug-95	19.6	0.15	19.4	19.8	283.0	223.0	12.0	1.44	10.2	15	186.3	126.3

Table 3. Temperature data for Caraquet station (4).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
228	16-Aug-95	19.4	0.20	19	19.7	302.4	238.4	15.9	1.59	13.2	18	202.2	138.2
229	17-Aug-95	18.9	0.11	18.7	19	321.3	253.3	18.3	1.47	14.1	19.1	220.5	152.5
230	18-Aug-95	18.9	0.27	18.6	19.4	340.2	268.2	11.0	4.82	7.3	18.9	231.5	159.5
231	19-Aug-95	19.1	0.14	18.9	19.4	359.3	283.3	14.6	3.41	8.1	18.8	246.1	170.1
232	20-Aug-95	19.1	0.31	18.7	19.5	378.3	298.3	17.7	1.08	15.8	18.8	263.7	183.7
233	21-Aug-95	18.8	0.21	18.6	19.4	397.2	313.2	18.0	0.35	17.4	18.6	281.7	197.7
234	22-Aug-95	18.2	0.55	17.5	19.4	415.3	327.3	17.8	0.74	16	18.4	299.5	211.5
235	23-Aug-95	17.7	0.23	17.3	18.1	433.0	341.0	17.3	0.17	17.1	17.6	316.8	224.8
236	24-Aug-95	17.6	0.18	17.3	17.8	450.6	354.6	16.7	1.93	10.6	17.7	333.5	237.5
237	25-Aug-95	17.1	0.25	16.4	17.3	467.7	367.7	16.7	0.64	15.6	17.4	350.2	250.2
238	26-Aug-95	16.4	0.51	15.4	17	484.1	380.1	15.5	0.25	15.1	16	365.7	261.7
239	27-Aug-95	16.9	0.11	16.7	17	501.0	393.0	16.8	0.32	16	17	382.6	274.6
240	28-Aug-95	16.8	0.10	16.7	16.9	517.8	405.8	16.7	0.17	16.4	17	399.3	287.3
241	29-Aug-95	16.7	0.09	16.6	16.9	534.4	418.4	16.4	0.22	16.1	16.9	415.7	299.7
242	30-Aug-95	16.5	0.12	16.3	16.6	550.9	430.9	16.3	0.14	16.1	16.6	432.1	312.1
243	31-Aug-95	16.8	0.23	16.4	17.2	567.7	443.7	16.1	0.47	14.9	16.6	448.2	324.2
244	01-Sep-95	16.7	0.23	16.4	16.9	16.7	12.7	15.7	0.57	14.3	16.4	15.7	11.7
245	02-Sep-95	16.3	0.11	16.1	16.4	33.0	25.0	16.4	0.14	16.2	16.6	32.1	24.1
246	03-Sep-95	16.3	0.16	16.1	16.6	49.4	37.4	16.4	0.12	16.1	16.5	48.4	36.4
247	04-Sep-95	16.4	0.16	16.3	16.7	65.8	49.8	16.3	0.17	15.9	16.5	64.7	48.7
248	05-Sep-95	16.5	0.18	16.3	16.9	82.3	62.3	16.2	0.22	15.8	16.5	80.9	60.9
249	06-Sep-95	16.1	0.19	15.8	16.6	98.4	74.4	16.2	0.18	15.9	16.6	97.1	73.1
250	07-Sep-95	15.4	0.32	15.1	16	113.8	85.8	15.4	0.29	15.1	16	112.5	84.5
251	08-Sep-95	14.9	0.09	14.8	15.1	128.6	96.6	14.9	0.20	14.5	15.1	127.4	95.4
252	09-Sep-95	14.8	0.24	14.5	15.4	143.4	107.4	14.4	0.43	13.5	14.8	141.8	105.8
253	10-Sep-95	14.4	0.23	14	14.8	157.8	117.8	14.1	0.49	13	14.6	155.9	115.9
254	11-Sep-95	14.0	0.17	13.6	14.2	171.8	127.8	14.0	0.11	13.9	14.2	170.0	126.0
255	12-Sep-95	13.8	0.22	13.6	14.2	185.6	137.6	13.5	0.24	12.8	13.8	183.4	135.4
256	13-Sep-95	13.6	0.28	13.4	14.2	199.3	147.3	13.4	0.21	13	13.8	196.8	144.8
257	14-Sep-95	13.5	0.12	13.3	13.6	212.7	156.7	13.3	0.17	13	13.6	210.1	154.1
258	15-Sep-95	13.5	0.16	13.3	13.7	226.2	166.2	13.2	0.22	12.9	13.5	223.3	163.3
259	16-Sep-95	13.4	0.17	13.1	13.6	239.5	175.5	12.8	0.72	11.5	13.5	236.1	172.1
260	17-Sep-95	12.6	0.21	12.4	13	252.1	184.1	12.6	0.22	12.4	13	248.7	180.7
261	18-Sep-95	12.7	0.12	12.5	12.8	264.8	192.8	12.5	0.10	12.3	12.7	261.2	189.2
262	19-Sep-95	12.7	0.21	12.5	13.1	277.5	201.5	12.7	0.10	12.5	12.8	273.9	197.9
263	20-Sep-95	12.8	0.05	12.7	12.8	290.3	210.3	12.6	0.23	12.3	12.8	286.4	206.4
264	21-Sep-95	13.1	0.30	12.7	13.7	303.3	219.3	12.4	0.08	12.3	12.5	298.8	214.8
265	22-Sep-95	13.2	0.12	13.1	13.4	316.5	228.5	12.1	0.39	11.3	12.5	310.9	222.9
266	23-Sep-95	12.8	0.15	12.5	13.1	329.3	237.3	12.4	0.81	10.7	12.9	323.3	231.3
267	24-Sep-95	12.5	0.08	12.4	12.7	341.8	245.8	12.6	0.09	12.4	12.7	335.8	239.8
268	25-Sep-95	12.6	0.19	12.4	13	354.4	254.4	12.5	0.07	12.4	12.6	348.3	248.3
269	26-Sep-95	12.5	0.06	12.5	12.7	366.9	262.9	12.6	0.05	12.5	12.6	360.9	256.9
270	27-Sep-95	12.6	0.12	12.4	12.8	379.5	271.5	12.3	0.39	11.3	12.6	373.2	265.2
271	28-Sep-95	12.0	0.26	11.6	12.4	391.5	279.5	12.1	0.25	11.7	12.5	385.4	273.4
272	29-Sep-95	11.4	0.18	11.2	11.8	402.9	286.9	10.8	0.43	10.3	11.6	396.2	280.2

Table 3. Temperature data for Caraquet station (4).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
273	30-Sep-95	11.3	0.08	11.2	11.5	414.2	294.2	10.6	0.98	8.5	11.3	406.8	286.8
274	01-Oct-95	11.4	0.18	11.2	11.8	11.4	7.4	10.5	0.63	9.8	11.2	10.5	6.5
275	02-Oct-95	11.2	0.27	10.6	11.5	22.6	14.6	10.3	0.12	10.1	10.5	20.8	12.8
276	03-Oct-95	11.2	0.11	11	11.3	33.8	21.8	10.8	0.22	10.4	11.1	31.6	19.6
277	04-Oct-95	11.0	0.09	10.9	11.2	44.8	28.8	11.1	0.09	11	11.2	42.7	26.7
278	05-Oct-95	11.0	0.09	10.9	11.2	55.7	35.7	11.1	0.09	11	11.2	53.8	33.8
279	06-Oct-95	10.7	0.19	10.3	10.9	66.4	42.4	9.3	1.14	7.7	11	63.0	39.0
280	07-Oct-95	10.4	0.19	10.1	10.6	76.9	48.9	6.0	0.52	5.3	7.1	69.0	41.0
281	08-Oct-95	9.9	0.54	9	10.4	86.7	54.7	7.4	0.48	6.4	7.8	76.4	44.4
282	09-Oct-95	8.5	0.29	8.1	9	95.2	59.2	7.7	0.56	6.8	8.3	84.1	48.1
283	10-Oct-95	9.1	0.47	8.5	9.9	104.3	64.3	8.3	0.21	8.2	8.7	92.4	52.4
284	11-Oct-95	9.8	0.10	9.7	9.9	114.2	70.2	9.0	0.24	8.6	9.3	101.4	57.4
285	12-Oct-95	9.8	0.12	9.7	10	124.0	76.0	9.3	0.18	9	9.6	110.7	62.7
286	13-Oct-95	9.8	0.11	9.6	9.9	133.8	81.8	9.7	0.07	9.6	9.8	120.5	68.5
287	14-Oct-95	10.0	0.15	9.7	10.3	143.8	87.8	9.6	0.19	9.2	9.7	130.1	74.1
288	15-Oct-95	9.8	0.15	9.6	10	153.6	93.6	8.8	0.52	7.7	9.6	138.9	78.9
289	16-Oct-95	9.7	0.07	9.6	9.9	163.3	99.3	9.6	0.22	9	9.8	148.5	84.5
290	17-Oct-95	9.8	0.10	9.7	9.9	173.1	105.1	9.8	0.07	9.7	9.9	158.3	90.3
291	18-Oct-95	8.5	1.71	5.1	9.9	181.7	109.7	9.4	1.51	5.4	10.9	167.7	95.7
292	19-Oct-95	8.3	0.87	6.6	9.6	190.0	114.0	9.2	1.57	6.5	11.4	176.9	100.9
293	20-Oct-95	9.7	2.90	5.3	12.4	199.6	119.6	9.8	3.04	5.5	13	186.7	106.7

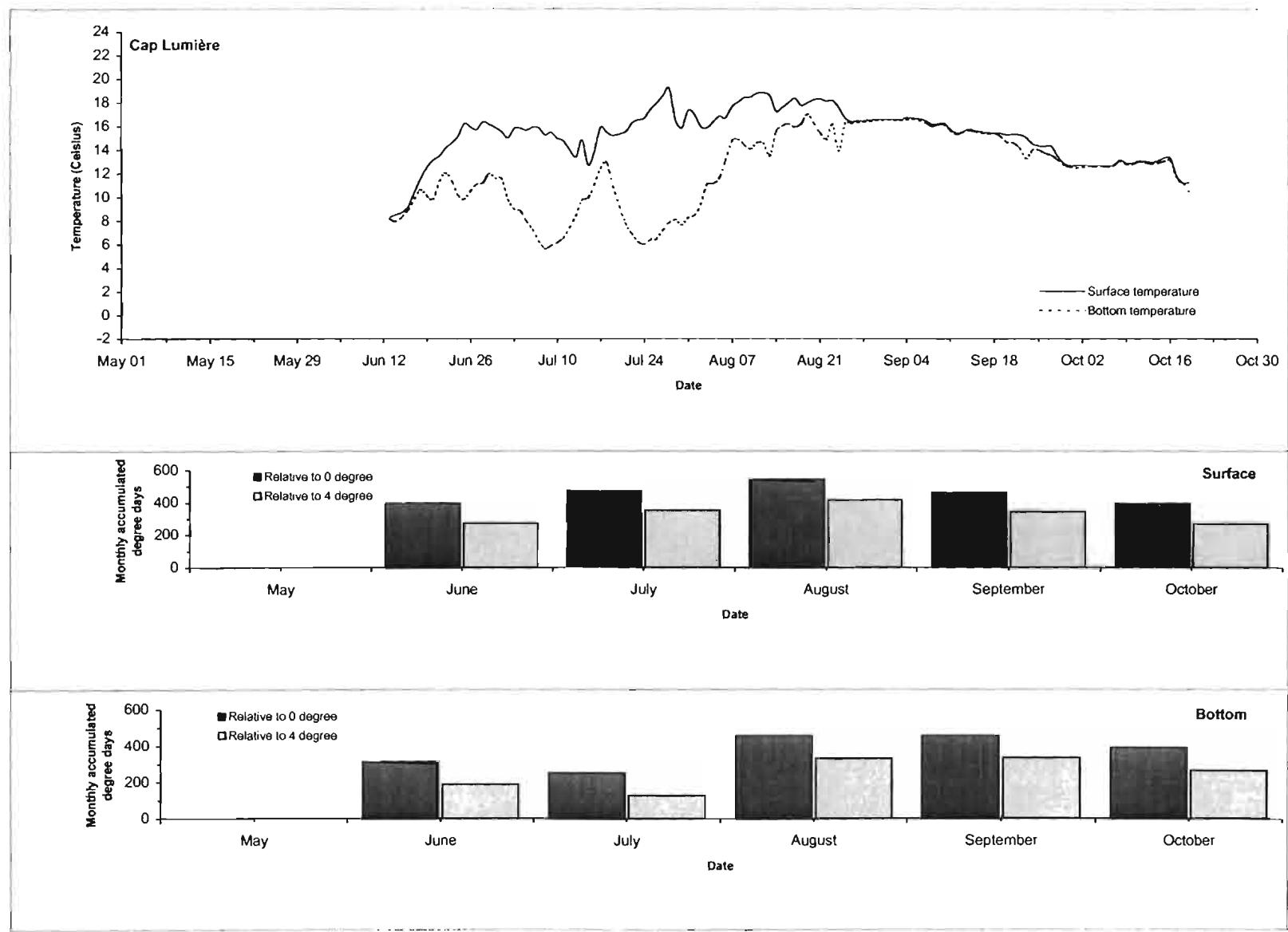


Figure 3. Daily 1995 temperature data and monthly accumulated degree days for Cap Lumière station (9).

Table 4. Temperature data for Cap Lumière station (9).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
164	13-Jun-95	8.3	0.13	8.1	8.4	8.3	4.3	8.2	0.17	8.0	8.3	8.2	4.2
165	14-Jun-95	8.5	0.22	8.1	8.9	16.8	8.8	7.9	0.64	6.8	8.7	16.1	8.1
166	15-Jun-95	8.7	0.28	8.0	9.0	25.5	13.5	8.4	0.48	7.2	8.9	24.4	12.4
167	16-Jun-95	9.2	0.39	8.4	9.6	34.7	18.7	8.9	0.44	8.3	9.6	33.4	17.4
168	17-Jun-95	10.5	0.85	9.7	12.1	45.1	25.1	9.9	0.36	9.5	10.6	43.2	23.2
169	18-Jun-95	11.6	0.65	10.5	12.8	56.7	32.7	10.6	0.44	9.7	11.1	53.9	29.9
170	19-Jun-95	12.5	1.22	11.2	14.6	69.2	41.2	10.1	0.75	8.7	11.1	64.0	36.0
171	20-Jun-95	13.1	0.76	12.0	14.3	82.4	50.4	9.8	1.04	8.7	12.0	73.8	41.8
172	21-Jun-95	13.5	0.41	12.8	14.2	95.9	59.9	11.4	0.73	9.9	12.3	85.1	49.1
173	22-Jun-95	14.2	0.37	13.7	14.9	110.0	70.0	12.1	0.56	10.9	12.7	97.2	57.2
174	23-Jun-95	14.6	0.51	13.7	15.5	124.6	80.6	11.4	0.80	10.5	12.8	108.6	64.6
175	24-Jun-95	15.1	0.71	14.0	16.6	139.8	91.8	10.1	0.80	8.9	11.8	118.7	70.7
176	25-Jun-95	16.2	0.64	15.2	17.4	156.0	104.0	9.8	0.73	8.3	11.1	128.5	76.5
177	26-Jun-95	15.9	0.51	15.2	16.8	171.9	115.9	10.5	0.85	9.5	12.4	139.1	83.1
178	27-Jun-95	15.7	0.38	15.4	16.5	187.6	127.6	11.1	0.88	10.3	13.0	150.1	90.1
179	28-Jun-95	16.4	0.65	15.7	17.7	204.0	140.0	11.2	0.59	10.3	12.4	161.4	97.4
180	29-Jun-95	16.2	0.34	15.4	16.6	220.2	152.2	12.0	1.06	10.8	14.0	173.4	105.4
181	30-Jun-95	15.9	0.29	15.4	16.3	236.1	164.1	11.6	0.94	9.9	12.6	185.0	113.0
182	01-Jul-95	15.6	0.73	14.0	16.3	15.6	11.6	11.6	0.94	10.2	13.1	11.6	7.6
183	02-Jul-95	15.0	0.51	14.3	16.0	30.6	22.6	9.8	1.16	8.0	11.5	21.4	13.4
184	03-Jul-95	15.8	1.01	14.2	17.4	46.4	34.4	9.0	1.12	7.4	10.2	30.4	18.4
185	04-Jul-95	15.9	0.89	14.3	17.2	62.3	46.3	8.8	1.03	7.1	10.0	39.2	23.2
186	05-Jul-95	15.7	0.92	13.9	16.9	78.0	58.0	7.9	0.83	6.7	8.9	47.2	27.2
187	06-Jul-95	15.9	1.04	14.3	17.8	93.9	69.9	7.3	0.80	6.1	8.4	54.4	30.4
188	07-Jul-95	15.9	1.38	13.9	18.0	109.8	81.8	6.3	0.84	4.9	7.5	60.7	32.7
189	08-Jul-95	15.3	1.36	12.8	16.6	125.1	93.1	5.6	1.08	4.3	7.7	66.3	34.3
190	09-Jul-95	15.5	1.37	11.8	16.8	140.5	104.5	5.9	1.48	4.3	8.9	72.2	36.2
191	10-Jul-95	15.0	2.28	10.8	17.8	155.5	115.5	6.1	1.11	4.9	8.4	78.3	38.3
192	11-Jul-95	14.8	2.02	10.8	16.9	170.3	126.3	6.5	1.13	5.5	8.9	84.9	40.9
193	12-Jul-95	14.1	2.12	10.6	17.2	184.3	136.3	7.4	1.75	4.6	10.5	92.3	44.3
194	13-Jul-95	13.4	1.93	10.5	17.2	197.8	145.8	8.4	1.65	6.2	11.2	100.7	48.7
195	14-Jul-95	14.9	2.40	11.8	18.8	212.6	156.6	9.7	1.83	7.4	12.4	110.4	54.4
196	15-Jul-95	12.7	0.63	11.5	13.7	225.3	165.3	9.9	1.71	7.1	12.7	120.3	60.3
197	16-Jul-95	13.8	1.26	12.1	16.9	239.1	175.1	11.0	1.66	8.7	13.4	131.4	67.4
198	17-Jul-95	15.9	0.86	14.3	17.4	255.0	187.0	12.4	1.30	10.8	14.6	143.8	75.8
199	18-Jul-95	15.5	0.84	14.3	17.1	270.5	198.5	12.9	0.96	11.7	14.5	156.7	84.7
200	19-Jul-95	15.2	0.42	14.6	16.1	285.7	209.7	10.9	1.12	9.3	12.6	167.6	91.6
202	21-Jul-95	15.5	0.47	14.9	16.6	301.2	221.2	7.8	1.00	5.9	9.6	175.4	95.4
203	22-Jul-95	16.2	0.56	15.5	17.4	317.4	233.4	6.9	1.18	4.9	8.6	182.3	98.3
204	23-Jul-95	16.5	0.55	15.1	17.1	333.9	245.9	6.2	1.17	4.3	7.7	188.5	100.5
205	24-Jul-95	16.6	0.54	16.1	17.7	350.6	258.6	6.0	0.70	4.4	6.8	194.6	102.6
206	25-Jul-95	17.4	0.31	16.9	18.0	368.0	272.0	6.4	1.13	4.7	8.7	201.0	105.0
207	26-Jul-95	17.9	0.61	17.1	18.9	385.9	285.9	6.5	0.93	5.3	8.1	207.4	107.4
208	27-Jul-95	18.6	0.86	16.1	19.2	404.5	300.5	7.3	0.93	5.9	9.0	214.7	110.7

Table 4. Temperature data for Cap Lumière station (9).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
209	28-Jul-95	19.2	0.59	18.4	20.2	423.7	315.7	7.8	1.08	6.8	10.2	222.5	114.5
210	29-Jul-95	16.5	2.63	11.4	19.7	440.2	328.2	8.1	1.35	5.9	10.5	230.6	118.6
211	30-Jul-95	15.8	2.53	11.1	19.7	456.0	340.0	7.7	1.02	6.2	9.7	238.2	122.2
212	31-Jul-95	17.3	1.73	13.3	19.2	473.3	353.3	8.3	0.90	7.1	9.6	246.5	126.5
213	01-Aug-95	17.0	1.63	14.0	19.1	17.0	13.0	8.5	1.15	6.4	10.2	8.5	4.5
214	02-Aug-95	16.0	1.31	13.1	17.8	33.0	25.0	9.4	1.12	6.9	10.9	17.8	9.8
215	03-Aug-95	15.9	0.91	14.6	17.2	48.8	36.8	11.1	1.15	9.2	12.7	28.9	16.9
216	04-Aug-95	16.3	0.86	14.8	17.2	65.2	49.2	11.1	0.94	9.9	12.8	40.0	24.0
217	05-Aug-95	16.9	0.50	15.8	17.5	82.0	62.0	11.6	1.34	9.2	13.1	51.7	31.7
218	06-Aug-95	16.7	0.79	15.5	18.0	98.7	74.7	13.1	1.59	10.5	15.1	64.8	40.8
219	07-Aug-95	17.7	0.67	16.5	18.8	116.4	88.4	14.8	1.30	13.0	16.8	79.5	51.5
220	08-Aug-95	18.0	0.63	17.2	19.1	134.4	102.4	14.9	1.21	13.1	16.9	94.4	62.4
221	09-Aug-95	18.4	0.47	17.8	19.2	152.9	116.9	14.4	1.84	11.8	17.5	108.8	72.8
222	10-Aug-95	18.5	0.75	17.5	19.9	171.3	131.3	14.1	1.90	11.2	16.9	123.0	83.0
223	11-Aug-95	18.8	0.81	17.4	19.9	190.1	146.1	14.6	1.90	11.8	18.1	137.6	93.6
224	12-Aug-95	18.8	1.17	17.4	20.3	208.9	160.9	14.6	1.75	12.0	17.7	152.1	104.1
225	13-Aug-95	18.6	0.74	17.7	19.9	227.5	175.5	13.5	1.50	11.2	15.8	165.7	113.7
226	14-Aug-95	17.3	0.58	16.5	18.6	244.8	188.8	15.6	1.42	13.4	17.2	181.2	125.2
227	15-Aug-95	17.6	0.30	17.1	18.0	262.4	202.4	16.0	0.88	14.8	17.5	197.2	137.2
228	16-Aug-95	18.0	0.54	17.2	19.2	280.4	216.4	16.2	0.75	15.1	17.2	213.4	149.4
229	17-Aug-95	18.4	0.54	17.7	19.5	298.7	230.7	15.9	1.11	14.5	17.7	229.4	161.4
230	18-Aug-95	17.8	0.47	17.4	18.8	316.5	244.5	16.2	1.41	13.6	17.4	245.6	173.6
231	19-Aug-95	18.0	0.63	17.4	19.4	334.5	258.5	17.0	0.34	16.5	17.4	262.6	186.6
232	20-Aug-95	18.2	0.22	17.8	18.6	352.7	272.7	16.2	0.77	15.2	17.5	278.8	198.8
233	21-Aug-95	18.3	0.43	17.7	19.1	371.0	287.0	15.5	0.75	14.5	16.6	294.3	210.3
234	22-Aug-95	18.1	0.30	17.4	18.6	389.1	301.1	14.9	0.92	13.9	16.3	309.2	221.2
235	23-Aug-95	18.2	0.18	17.7	18.3	407.3	315.3	16.2	1.35	13.7	17.8	325.4	233.4
236	24-Aug-95	17.6	0.33	16.8	18.0	424.9	328.9	13.9	2.19	11.7	17.4	339.3	243.3
237	25-Aug-95	16.8	0.29	16.5	17.4	441.7	341.7	16.2	0.88	13.7	16.9	355.6	255.6
238	26-Aug-95	16.4	0.13	16.3	16.6	458.1	354.1	16.3	0.09	16.1	16.3	371.8	267.8
239	27-Aug-95	16.5	0.14	16.3	16.6	474.5	366.5	16.3	0.12	16.1	16.5	388.1	280.1
240	28-Aug-95	16.5	0.11	16.3	16.6	491.0	379.0	16.3	0.14	16.1	16.5	404.5	292.5
241	29-Aug-95	16.5	0.08	16.3	16.6	507.5	391.5	16.4	0.10	16.3	16.5	420.9	304.9
242	30-Aug-95	16.6	0.05	16.5	16.6	524.1	404.1	16.5	0.10	16.3	16.6	437.4	317.4
243	31-Aug-95	16.6	0.12	16.5	16.8	540.7	416.7	16.5	0.05	16.5	16.6	453.9	329.9
244	01-Sep-95	16.6	0.06	16.6	16.8	18.6	12.6	16.6	0.05	16.5	16.6	16.6	12.6
245	02-Sep-95	16.6	0.00	16.6	16.6	33.2	25.2	16.5	0.05	16.5	16.6	33.1	25.1
246	03-Sep-95	16.6	0.09	16.5	16.8	49.8	37.8	16.5	0.04	16.5	16.6	49.6	37.6
247	04-Sep-95	16.7	0.18	16.5	17.1	66.5	50.5	16.6	0.05	16.5	16.6	66.2	50.2
248	05-Sep-95	16.7	0.13	16.6	16.9	83.3	63.3	16.6	0.08	16.5	16.8	82.8	62.8
249	06-Sep-95	16.6	0.12	16.5	16.8	99.9	75.9	16.5	0.09	16.3	16.6	99.3	75.3
250	07-Sep-95	16.5	0.13	16.3	16.6	116.4	88.4	16.3	0.38	15.2	16.6	115.6	87.6
251	08-Sep-95	16.2	0.38	15.5	16.6	132.6	100.6	16.0	0.33	15.4	16.5	131.7	99.7
252	09-Sep-95	16.2	0.23	15.8	16.5	148.8	112.8	16.2	0.22	15.8	16.5	147.8	111.8

Table 4. Temperature data for Cap Lumière station (9).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
253	10-Sep-95	16.3	0.25	15.7	16.5	165.1	125.1
254	11-Sep-95	15.7	0.24	15.4	16.0	180.8	136.8
255	12-Sep-95	15.4	0.25	15.2	15.8	196.2	148.2
256	13-Sep-95	15.6	0.24	15.2	16.0	211.8	159.8
257	14-Sep-95	15.8	0.20	15.4	16.0	227.5	171.5
258	15-Sep-95	15.6	0.15	15.4	15.8	243.2	183.2
259	16-Sep-95	15.6	0.12	15.4	15.7	258.7	194.7
260	17-Sep-95	15.5	0.05	15.4	15.5	274.2	206.2
261	18-Sep-95	15.5	0.12	15.4	15.7	289.7	217.7
262	19-Sep-95	15.4	0.17	15.2	15.7	305.1	229.1
263	20-Sep-95	15.3	0.16	15.1	15.5	320.4	240.4
264	21-Sep-95	15.4	0.23	15.1	15.8	335.8	251.8
265	22-Sep-95	15.3	0.22	15.1	15.7	351.1	263.1
266	23-Sep-95	15.1	0.36	14.3	15.5	366.2	274.2
267	24-Sep-95	14.5	0.38	14.0	15.1	380.7	284.7
268	25-Sep-95	14.4	0.31	13.9	14.8	395.1	295.1
269	26-Sep-95	14.4	0.40	13.7	14.8	409.4	305.4
270	27-Sep-95	14.3	0.46	13.4	14.8	423.8	315.8
271	28-Sep-95	13.5	0.80	12.6	14.8	437.2	325.2
272	29-Sep-95	12.9	0.37	12.1	13.3	450.1	334.1
273	30-Sep-95	12.7	0.17	12.4	13.0	462.8	342.8
274	01-Oct-95	12.7	0.08	12.6	12.8	12.7	8.7
275	02-Oct-95	12.8	0.19	12.6	13.3	25.5	17.5
276	03-Oct-95	12.8	0.28	12.4	13.3	38.3	26.3
277	04-Oct-95	12.7	0.20	12.4	13.1	51.0	35.0
278	05-Oct-95	12.8	0.25	12.4	13.3	63.7	43.7
279	06-Oct-95	12.7	0.13	12.6	13.0	76.4	52.4
280	07-Oct-95	12.8	0.18	12.6	13.1	89.2	61.2
281	08-Oct-95	13.2	0.31	12.7	13.6	102.4	70.4
282	09-Oct-95	12.9	0.27	12.6	13.4	115.3	79.3
283	10-Oct-95	12.9	0.24	12.6	13.3	128.2	88.2
284	11-Oct-95	13.1	0.26	12.8	13.4	141.3	97.3
285	12-Oct-95	13.1	0.25	12.7	13.3	154.4	106.4
286	13-Oct-95	13.0	0.24	12.7	13.3	167.4	115.4
287	14-Oct-95	13.1	0.18	12.8	13.3	180.5	124.5
288	15-Oct-95	13.4	0.16	13.1	13.6	193.8	133.8
289	16-Oct-95	13.3	0.28	12.7	13.6	207.2	143.2
290	17-Oct-95	11.8	0.33	11.4	12.3	219.0	151.0
291	18-Oct-95	11.2	0.10	11.2	11.5	230.2	158.2
292	19-Oct-95	11.3	0.11	11.2	11.4	241.5	165.5

Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
16.1	0.21	15.7	16.3	164.0	124.0
15.7	0.31	15.2	16.0	179.6	135.6
15.3	0.25	15.1	15.7	195.0	147.0
15.5	0.23	15.2	15.8	210.5	158.5
15.7	0.18	15.4	16.0	226.1	170.1
15.5	0.19	15.2	15.8	241.7	181.7
15.4	0.09	15.2	15.5	257.1	193.1
15.4	0.06	15.2	15.4	272.5	204.5
15.4	0.08	15.2	15.5	287.9	215.9
15.2	0.09	14.9	15.2	303.1	227.1
14.7	0.35	14.2	15.2	317.8	237.8
14.6	0.43	14.0	15.4	332.4	248.4
14.2	0.55	13.3	14.9	346.5	258.5
13.3	0.81	11.7	14.0	359.8	267.8
14.0	0.55	12.8	14.8	373.9	277.9
14.0	0.57	13.0	14.8	387.9	287.9
13.8	0.63	12.7	14.6	401.6	297.6
13.6	0.83	12.4	14.8	415.2	307.2
13.2	0.76	12.3	14.5	428.4	316.4
12.8	0.37	12.1	13.1	441.2	325.2
12.6	0.19	12.3	13.0	453.8	333.8
12.5	0.13	12.4	12.7	12.5	8.5
12.6	0.15	12.4	12.8	25.1	17.1
12.7	0.23	12.4	13.0	37.7	25.7
12.6	0.23	12.4	13.0	50.3	34.3
12.7	0.21	12.4	13.0	63.0	43.0
12.6	0.16	12.4	12.8	75.6	51.6
12.7	0.17	12.4	13.0	88.3	60.3
13.1	0.26	12.7	13.4	101.4	69.4
12.8	0.26	12.6	13.3	114.2	78.2
12.8	0.25	12.4	13.1	127.0	87.0
13.0	0.26	12.7	13.3	140.0	96.0
13.0	0.25	12.6	13.3	153.0	105.0
12.9	0.20	12.6	13.1	165.9	113.9
12.9	0.19	12.6	13.1	178.8	122.8
13.1	0.27	12.7	13.4	191.9	131.9
13.1	0.36	12.6	13.6	205.0	141.0
11.8	0.36	11.2	12.3	216.8	148.8
11.2	0.05	11.1	11.2	227.9	155.9
10.6	0.33	10.3	11.1	238.5	162.5

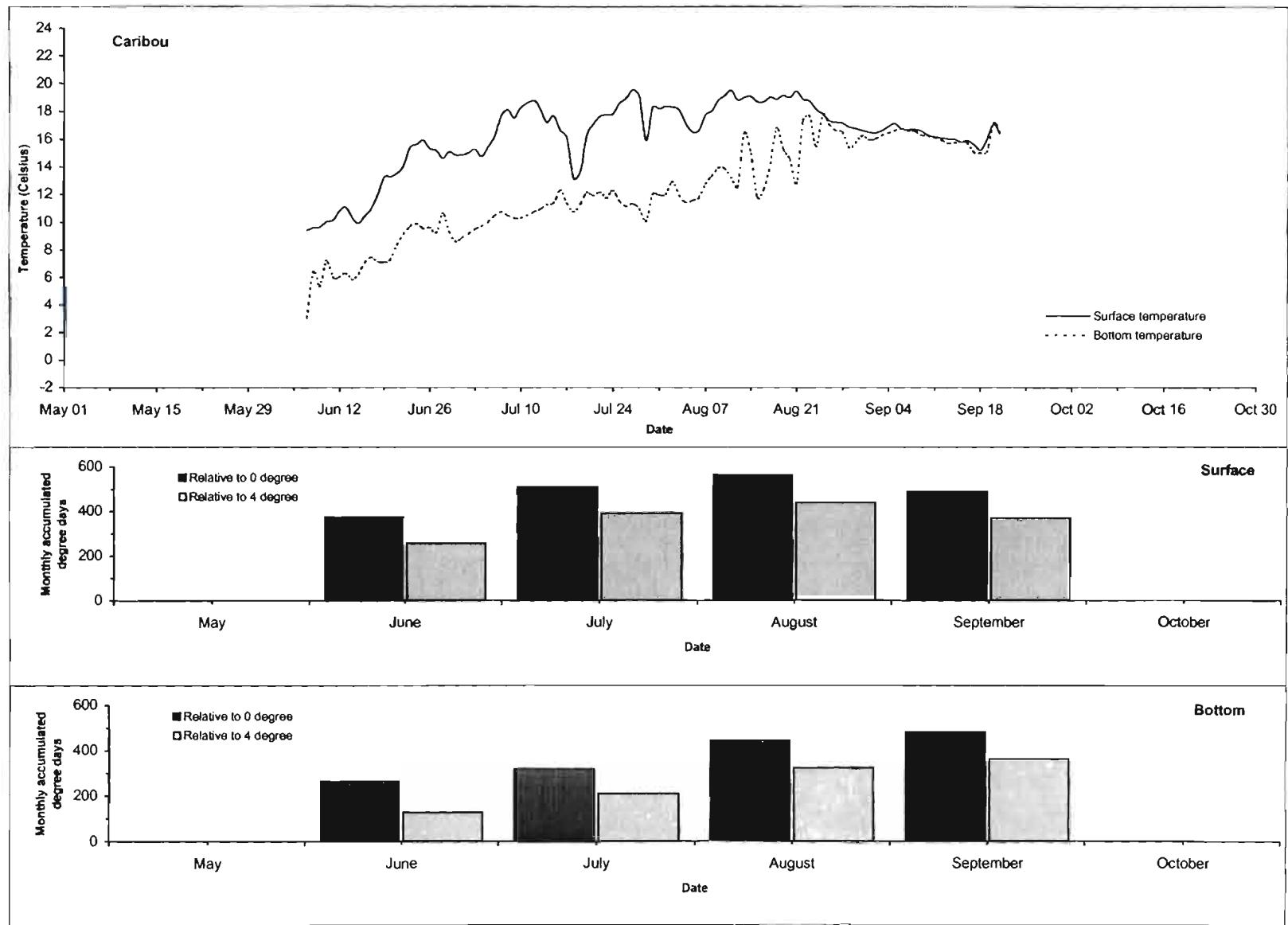


Figure 4. Daily 1995 temperature data and monthly accumulated degree days for Caribou station (12).

Table 5. Temperature data for Caribou station (12).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
158	07-Jun-95	9.4	0.68	8.3	10.0	9.4	5.4	3.0	0.34	2.7	3.7	3.0	0.0
159	08-Jun-95	9.6	0.15	9.4	9.8	19.0	11.0	6.4	1.85	3.9	8.9	9.4	2.4
160	09-Jun-95	9.6	0.36	9.2	10.1	28.6	16.6	5.4	0.83	4.3	7.3	14.8	3.7
161	10-Jun-95	10.0	0.40	9.5	10.8	38.7	22.7	7.2	0.57	6.3	8.2	22.0	6.9
162	11-Jun-95	10.1	0.50	9.6	11.2	48.8	28.8	6.0	0.99	5.0	7.7	28.0	8.9
163	12-Jun-95	10.8	0.60	9.6	11.3	59.6	35.6	6.0	1.01	4.8	7.8	34.0	11.0
164	13-Jun-95	11.1	0.45	10.4	11.9	70.7	42.7	6.3	1.45	4.8	9.4	40.3	13.2
165	14-Jun-95	10.3	0.58	9.3	11.1	81.0	49.0	5.8	0.92	4.7	7.3	46.1	15.1
166	15-Jun-95	9.9	0.49	8.8	10.5	90.9	54.9	6.2	0.95	5.1	7.9	52.4	17.3
167	16-Jun-95	10.4	0.47	9.8	11.5	101.3	61.3	7.1	0.83	6.2	8.6	59.4	20.4
168	17-Jun-95	11.0	0.39	10.3	11.6	112.3	68.3	7.5	1.01	6.5	9.4	66.9	23.8
169	18-Jun-95	12.0	0.68	11.4	13.0	124.3	76.3	7.1	0.62	6.5	8.2	74.0	27.0
170	19-Jun-95	13.3	0.29	12.8	13.9	137.6	85.6	7.1	0.45	6.6	7.9	81.1	30.1
171	20-Jun-95	13.3	0.24	12.8	13.5	150.9	94.9	7.3	0.51	6.7	8.1	88.4	33.3
172	21-Jun-95	13.5	0.26	13.2	14.0	164.4	104.4	8.4	1.24	7.2	11.4	96.7	37.7
173	22-Jun-95	14.1	0.19	13.8	14.3	178.4	114.4	9.1	1.53	7.7	11.7	105.9	42.8
174	23-Jun-95	15.4	0.25	15.0	15.8	193.8	125.8	9.7	1.56	8.2	13.3	115.6	48.5
175	24-Jun-95	15.6	0.42	15.1	16.4	209.5	137.5	9.9	1.56	8.3	13.6	125.4	54.4
176	25-Jun-95	15.9	0.34	15.4	16.6	225.4	149.4	9.5	0.91	8.2	11.2	135.0	59.9
177	26-Jun-95	15.3	0.40	14.8	16.2	240.7	160.7	9.6	1.52	7.9	12.4	144.6	65.5
178	27-Jun-95	15.2	0.48	14.4	16.1	255.9	171.9	9.2	1.25	7.9	11.7	153.8	70.8
179	28-Jun-95	14.6	0.27	14.3	15.1	270.5	182.5	10.7	1.64	8.5	13.0	164.5	77.4
180	29-Jun-95	15.1	0.17	14.9	15.5	285.6	193.6	9.3	1.12	8.4	11.5	173.8	82.7
181	30-Jun-95	14.9	0.39	13.7	15.2	300.4	204.4	8.6	0.56	8.0	9.6	182.4	87.3
182	01-Jul-95	14.9	0.24	14.3	15.1	14.9	10.9	8.9	0.42	8.3	9.8	8.9	4.9
183	02-Jul-95	15.0	0.38	14.3	15.7	29.9	21.9	9.2	0.37	8.7	9.9	18.0	10.0
184	03-Jul-95	15.3	0.48	14.3	15.8	45.2	33.2	9.5	0.38	8.9	10.2	27.5	15.5
185	04-Jul-95	14.7	0.79	13.7	16.5	59.9	43.9	9.7	0.32	9.4	10.6	37.2	21.2
186	05-Jul-95	15.4	0.51	14.7	16.1	75.3	55.3	10.0	0.34	9.7	10.9	47.2	27.2
187	06-Jul-95	16.2	0.76	15.4	17.8	91.6	67.6	10.5	0.31	10.0	11.2	57.7	33.7
188	07-Jul-95	17.7	0.58	16.8	18.8	109.2	81.2	10.7	0.38	10.4	11.6	68.4	40.4
189	08-Jul-95	18.1	0.88	16.3	19.2	127.3	95.3	10.5	0.36	9.8	11.0	78.9	46.9
190	09-Jul-95	17.5	0.68	16.4	18.3	144.9	108.9	10.3	0.50	9.7	11.2	89.2	53.2
191	10-Jul-95	18.3	0.80	16.1	18.9	163.2	123.2	10.3	0.68	9.4	11.8	99.5	59.5
193	12-Jul-95	18.8	0.69	17.0	19.7	181.9	137.9	10.7	1.03	9.2	12.7	110.2	66.2
194	13-Jul-95	18.1	1.04	15.4	19.0	200.1	152.1	11.0	1.21	9.5	13.0	121.2	73.2
195	14-Jul-95	17.2	0.59	16.2	18.2	217.3	165.3	11.3	1.41	9.7	14.2	132.5	80.5
196	15-Jul-95	17.7	0.86	16.4	19.0	235.0	179.0	11.4	1.44	9.7	14.3	143.9	87.9
197	16-Jul-95	16.6	0.17	16.4	17.0	251.6	191.6	12.3	1.60	10.3	15.6	156.2	96.2
198	17-Jul-95	16.1	0.90	14.2	17.4	267.7	203.7	11.3	0.71	10.7	13.2	167.5	103.5
199	18-Jul-95	13.2	1.08	11.9	14.8	280.9	212.9	10.8	0.26	10.4	11.2	178.3	110.3
200	19-Jul-95	13.6	1.21	12.4	16.0	294.6	222.6	11.3	0.46	10.9	12.5	189.6	117.6
201	20-Jul-95	16.3	0.16	16.1	16.5	310.9	234.9	12.2	0.50	11.5	13.0	201.7	125.7
202	21-Jul-95	17.1	0.23	16.6	17.4	327.9	247.9	11.9	0.46	11.5	12.9	213.6	133.6

Table 5. Temperature data for Caribou station (12).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
203	22-Jul-95	17.6	0.19	17.2	17.8	345.6	261.6	12.2	0.81	11.6	14.1	225.8	141.8
204	23-Jul-95	17.8	0.19	17.4	18.1	363.3	275.3	11.8	0.41	11.2	12.4	237.5	149.5
205	24-Jul-95	17.8	0.09	17.7	18.0	381.2	289.2	12.3	1.47	10.9	16.1	249.8	157.8
206	25-Jul-95	18.6	0.17	18.3	18.9	399.7	303.7	11.5	1.20	10.1	13.6	261.3	165.3
207	26-Jul-95	18.9	0.41	18.3	19.6	418.7	318.7	11.2	1.50	9.4	14.1	272.5	172.5
208	27-Jul-95	19.6	0.22	19.0	19.8	438.2	334.2	11.3	1.62	9.1	14.1	283.8	179.8
209	28-Jul-95	19.1	1.14	17.1	20.4	457.3	349.3	10.9	1.16	9.4	13.0	294.7	186.7
210	29-Jul-95	15.9	0.98	14.4	17.8	473.2	361.2	10.0	0.62	9.4	11.3	304.8	192.8
211	30-Jul-95	18.3	0.33	17.7	18.8	491.5	375.5	12.0	1.23	10.7	15.1	316.8	200.8
212	31-Jul-95	18.2	0.23	17.8	18.5	509.7	389.7	12.0	1.31	10.9	15.4	328.7	208.7
213	01-Aug-95	18.4	0.26	18.1	18.8	18.4	14.4	12.0	0.94	10.9	13.5	12.0	8.0
214	02-Aug-95	18.3	0.16	18.1	18.6	36.7	28.7	12.9	1.43	11.2	15.7	24.9	16.9
215	03-Aug-95	18.1	0.54	17.4	19.0	54.8	42.8	11.9	0.86	10.7	14.0	36.9	24.9
216	04-Aug-95	17.2	0.50	16.6	18.1	71.9	55.9	11.4	0.71	10.7	12.8	48.3	32.3
217	05-Aug-95	16.5	0.19	16.1	16.8	88.5	68.5	11.6	0.36	11.1	12.1	59.8	39.8
218	06-Aug-95	16.6	0.17	16.4	16.8	105.1	81.1	11.8	0.48	11.3	12.9	71.6	47.6
219	07-Aug-95	17.7	0.46	16.7	18.3	122.8	94.8	12.8	0.54	12.0	13.9	84.4	56.4
220	08-Aug-95	18.0	0.25	17.4	18.4	140.8	108.8	13.3	0.72	12.4	14.6	97.7	65.7
221	09-Aug-95	18.8	0.39	18.3	19.7	159.7	123.7	13.9	1.12	12.4	16.1	111.7	75.7
222	10-Aug-95	19.2	0.25	18.7	19.6	178.8	138.8	13.9	1.46	11.9	16.3	125.5	85.5
223	11-Aug-95	19.5	0.55	18.6	20.5	198.3	154.3	13.2	1.67	11.6	16.7	138.8	94.8
224	12-Aug-95	18.8	0.28	18.4	19.3	217.2	169.2	12.6	2.07	10.5	16.1	151.4	103.4
225	13-Aug-95	19.0	0.25	18.6	19.4	236.2	184.2	16.4	2.73	12.0	19.1	167.8	115.8
226	14-Aug-95	19.1	0.13	19.0	19.3	255.3	199.3	15.0	2.60	10.9	19.0	182.8	126.8
227	15-Aug-95	18.7	0.42	17.8	19.3	274.0	214.0	11.8	1.21	10.5	14.3	194.6	134.6
228	16-Aug-95	18.7	0.32	18.0	19.0	292.7	228.7	12.4	1.39	10.9	16.1	207.0	143.0
229	17-Aug-95	19.0	0.13	18.8	19.2	311.8	243.8	14.3	1.80	11.9	17.7	221.3	153.3
230	18-Aug-95	18.9	0.08	18.8	19.0	330.7	258.7	16.8	1.56	14.3	18.5	238.1	166.1
231	19-Aug-95	19.2	0.14	19.0	19.4	349.8	273.8	15.3	1.47	13.6	18.2	253.3	177.3
232	20-Aug-95	19.0	0.21	18.8	19.3	368.9	288.9	14.5	1.95	12.4	17.8	267.8	187.8
233	21-Aug-95	19.5	0.16	19.1	19.7	388.3	304.3	12.8	1.33	11.5	16.5	280.7	196.7
234	22-Aug-95	18.9	0.28	18.4	19.4	407.2	319.2	17.4	1.61	13.0	18.5	298.0	210.0
235	23-Aug-95	18.8	0.18	18.6	19.0	426.0	334.0	17.7	1.33	14.0	18.6	315.7	223.7
236	24-Aug-95	18.2	0.27	17.6	18.6	444.2	348.2	15.5	1.65	12.8	17.9	331.2	235.2
237	25-Aug-95	17.8	0.27	17.5	18.2	462.0	362.0	17.8	0.32	17.4	18.3	349.0	249.0
238	26-Aug-95	17.3	0.13	17.1	17.5	479.3	375.3	17.1	0.32	16.6	17.5	366.1	262.1
239	27-Aug-95	17.2	0.20	17.0	17.7	496.6	388.6	16.6	0.49	15.8	17.2	382.7	274.7
240	28-Aug-95	17.2	0.12	17.0	17.4	513.7	401.7	16.5	0.75	15.4	17.2	399.2	287.2
241	29-Aug-95	16.9	0.17	16.7	17.2	530.6	414.6	15.4	0.35	14.9	16.0	414.7	298.7
242	30-Aug-95	16.8	0.22	16.5	17.2	547.4	427.4	15.8	0.59	15.1	16.6	430.4	310.4
243	31-Aug-95	16.6	0.10	16.5	16.8	564.0	440.0	16.3	0.41	15.6	16.7	446.7	322.7
244	01-Sep-95	16.5	0.09	16.4	16.6	16.5	12.5	16.0	0.37	15.4	16.4	16.0	12.0
245	02-Sep-95	16.5	0.13	16.2	16.6	33.0	25.0	16.0	0.31	15.6	16.5	32.0	24.0
246	03-Sep-95	16.6	0.10	16.4	16.7	49.6	37.6	16.3	0.14	16.1	16.5	48.3	36.3

Table 5. Temperature data for Caribou station (12).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
247	04-Sep-95	16.9	0.23	16.7	17.5	66.5	50.5
248	05-Sep-95	17.1	0.24	16.8	17.5	83.6	63.6
249	06-Sep-95	16.8	0.12	16.6	17.0	100.4	76.4
250	07-Sep-95	16.7	0.10	16.6	16.9	117.1	89.1
251	08-Sep-95	16.7	0.19	16.5	17.1	133.8	101.8
252	09-Sep-95	16.6	0.11	16.4	16.8	150.4	114.4
253	10-Sep-95	16.3	0.20	16.1	16.6	166.7	126.7
254	11-Sep-95	16.2	0.16	15.9	16.4	182.9	138.9
255	12-Sep-95	16.1	0.12	15.9	16.4	199.0	151.0
256	13-Sep-95	16.0	0.08	15.9	16.1	215.0	163.0
257	14-Sep-95	16.0	0.11	15.8	16.1	231.0	175.0
258	15-Sep-95	15.8	0.07	15.7	15.9	246.8	186.8
259	16-Sep-95	15.9	0.23	15.7	16.4	262.7	198.7
260	17-Sep-95	15.6	0.15	15.2	15.8	278.3	210.3
261	18-Sep-95	15.2	0.16	15.0	15.6	293.6	221.6
262	19-Sep-95	16.0	1.43	15.2	20.5	309.6	233.6
263	20-Sep-95	17.1	3.66	12.3	20.5	326.7	246.7
264	21-Sep-95	16.4	5.01	8.5	20.5	343.0	259.0

Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
16.4	0.12	16.2	16.6	64.7	48.7
16.6	0.22	16.2	16.8	81.3	61.3
16.8	0.11	16.6	16.9	98.1	74.1
16.6	0.06	16.5	16.7	114.7	86.7
16.6	0.12	16.4	16.8	131.3	99.3
16.3	0.24	15.8	16.6	147.6	111.6
16.3	0.18	16.0	16.5	163.9	123.9
16.2	0.15	15.9	16.4	180.0	136.0
16.0	0.19	15.6	16.2	196.0	148.0
15.7	0.13	15.5	15.9	211.8	159.8
15.8	0.17	15.4	15.9	227.5	171.5
15.8	0.06	15.7	15.9	243.3	183.3
15.7	0.04	15.6	15.8	259.0	195.0
15.1	0.71	13.6	15.7	274.1	206.1
15.0	0.12	14.7	15.1	289.1	217.1
15.1	0.00	15.1	15.1	304.2	228.2
17.2	3.65	12.1	20.5	321.4	241.4
16.5	4.79	8.6	20.5	337.9	253.9

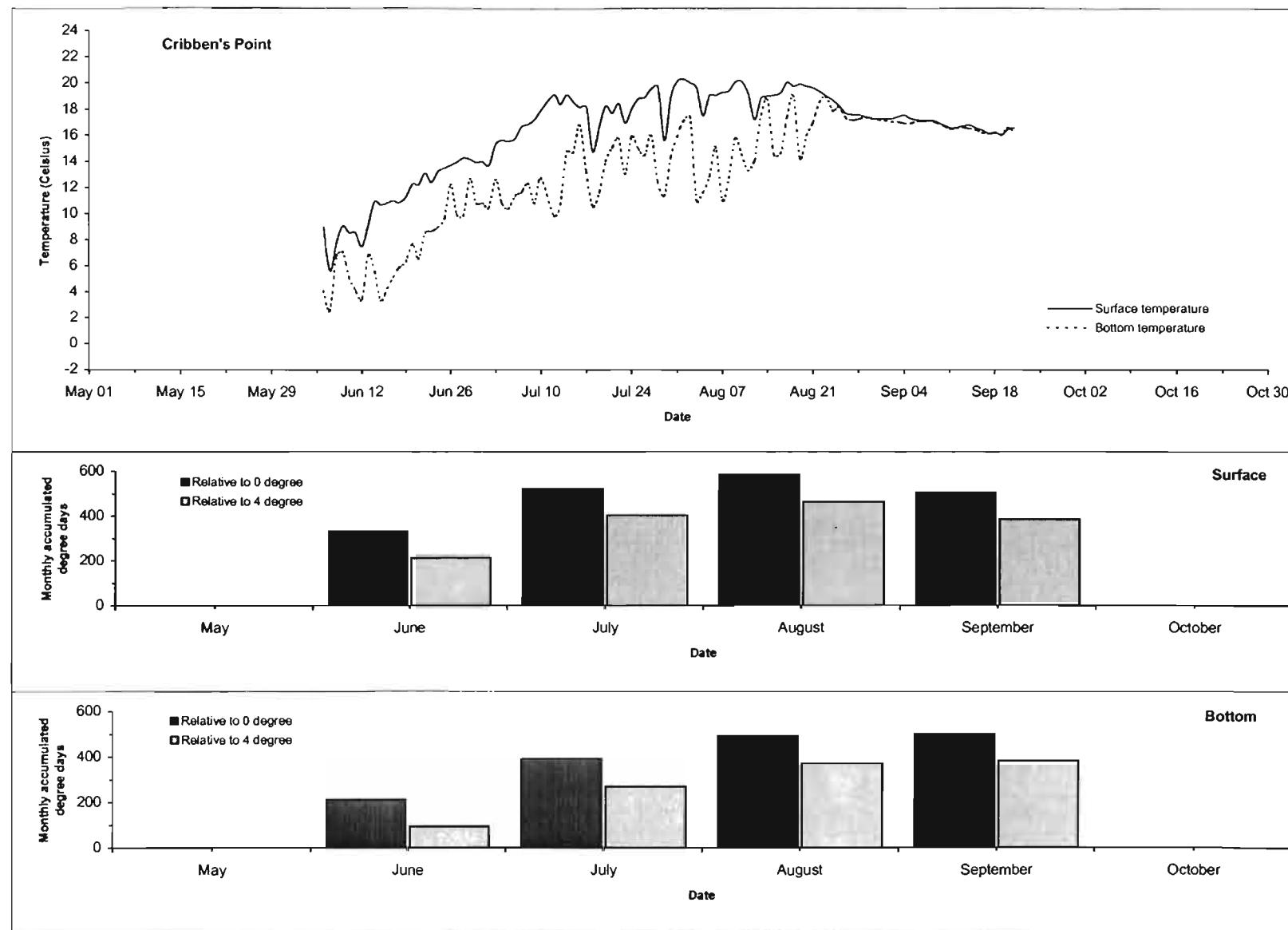


Figure 5. Daily 1995 temperature data and monthly accumulated degree days for Cribbons Point station (13).

Table 6. Temperature data for Cribbons Point station (13).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
157	06-Jun-95	9.0	1.55	6.4	11	9.02	5.02	4.1	1.05	2.8	5.8	4.1	0.08
158	07-Jun-95	5.6	0.50	5	6.7	14.65	6.65	2.6	0.92	1.5	4.3	6.7	0.08
159	08-Jun-95	7.7	0.35	7	8.3	22.37	10.37	6.8	0.89	4.6	7.3	13.4	2.84
160	09-Jun-95	9.1	0.18	8.7	9.4	31.43	15.43	7.1	0.66	5.6	7.8	20.5	5.91
161	10-Jun-95	8.5	0.21	8.3	8.9	39.97	19.97	5.1	0.32	4.8	5.6	25.6	7.01
162	11-Jun-95	8.5	0.23	8.1	8.9	48.51	24.51	4.1	0.57	3.1	4.8	29.7	7.08
163	12-Jun-95	7.5	0.66	6.2	8.2	55.98	27.98	3.4	0.95	2.4	5.2	33.1	7.08
164	13-Jun-95	9.1	0.39	8.3	9.7	65.06	33.06	6.8	0.88	4.8	7.9	39.9	9.88
165	14-Jun-95	10.9	0.15	10.5	11.1	75.98	39.98	5.6	1.41	3.6	7.8	45.5	11.48
166	15-Jun-95	10.7	0.38	9.7	11.2	86.64	46.64	3.3	0.55	2.6	4.1	48.8	11.48
167	16-Jun-95	10.8	0.61	9.6	11.5	97.48	53.48	4.3	0.48	3.6	4.8	53.1	11.74
168	17-Jun-95	11.0	0.14	10.8	11.2	108.48	60.48	5.1	0.47	4.7	6.2	58.2	12.88
169	18-Jun-95	10.9	0.44	9.9	11.3	119.34	67.34	5.9	0.41	5	6.5	64.1	14.74
170	19-Jun-95	11.3	0.54	10	11.9	130.64	74.64	6.3	0.98	5.3	8	70.4	17.05
171	20-Jun-95	12.3	0.15	12	12.5	142.93	82.93	7.7	1.41	5.8	10.8	78.1	20.75
172	21-Jun-95	12.2	0.21	12	12.7	155.16	91.16	6.5	0.86	5.5	7.9	84.6	23.27
173	22-Jun-95	13.1	0.28	12.7	13.6	168.28	100.28	8.5	0.75	7.7	9.5	93.1	27.79
174	23-Jun-95	12.4	0.56	11.8	13.6	180.70	108.70	8.6	0.48	7.9	9.2	101.7	32.43
175	24-Jun-95	13.2	0.16	13	13.5	193.94	117.94	8.9	0.60	7.8	9.7	110.7	37.35
176	25-Jun-95	13.5	0.32	13	13.9	207.45	127.45	9.6	0.76	8.5	11.2	120.3	42.94
177	26-Jun-95	13.7	0.13	13.5	13.9	221.18	137.18	12.3	1.50	10.1	13.7	132.5	51.22
178	27-Jun-95	14.0	0.26	13.5	14.3	235.15	147.15	9.9	0.32	9.4	10.3	142.4	57.11
179	28-Jun-95	14.3	0.11	14.1	14.4	249.44	157.44	9.9	0.95	8.7	11.2	152.3	62.97
180	29-Jun-95	14.2	0.12	14.1	14.4	263.63	167.63	12.7	0.50	11.9	13.9	165.0	71.65
181	30-Jun-95	13.9	0.33	13.3	14.4	277.57	177.57	10.8	0.60	10	11.8	175.8	78.44
182	01-Jul-95	14.0	0.13	13.9	14.3	14.00	10.00	10.8	0.64	9.8	11.9	10.83	6.83
183	02-Jul-95	13.7	0.35	13.5	14.6	27.73	19.73	10.5	1.15	9.3	12.5	21.3	13.31
184	03-Jul-95	15.4	0.15	15.1	15.6	43.08	31.08	12.6	0.81	11.4	13.8	33.9	21.93
185	04-Jul-95	15.6	0.34	15.3	16.4	58.71	42.71	10.8	0.78	9.7	12.5	44.7	28.68
186	05-Jul-95	15.6	0.43	15	16.5	74.26	54.26	10.4	0.57	9.5	11.2	55.0	35.04
187	06-Jul-95	15.8	0.81	14.9	17	90.02	66.02	11.4	0.84	9.8	12.4	66.4	42.42
188	07-Jul-95	16.7	0.55	15.7	17.5	106.67	78.67	11.6	0.93	10.1	13.2	78.0	50.04
189	08-Jul-95	16.8	0.32	16.5	17.4	123.51	91.51	12.3	1.26	10.4	13.9	90.4	58.35
190	09-Jul-95	17.2	0.28	16.7	17.6	140.72	104.72	10.8	1.24	9.4	13	101.2	65.16
191	10-Jul-95	17.9	0.25	17.5	18.2	158.64	118.64	12.7	1.47	10.9	15.1	113.9	73.90
193	12-Jul-95	19.1	0.22	18.8	19.5	177.75	133.75	9.8	0.57	9.2	11.2	123.7	79.70
194	13-Jul-95	18.4	0.96	17.1	20	196.13	148.13	10.7	1.03	9.2	12.9	134.4	86.41
195	14-Jul-95	19.1	0.30	18.9	19.7	215.28	163.28	14.8	2.04	11	17.2	149.2	97.18
196	15-Jul-95	18.6	0.22	18.3	18.9	233.88	177.88	14.7	1.39	12.8	16.7	163.9	107.86
197	16-Jul-95	18.2	0.09	18	18.3	252.04	192.04	16.8	1.30	13.9	18	180.7	120.69
198	17-Jul-95	18.2	0.09	18.1	18.4	270.26	206.26	13.2	2.16	11.3	17.4	193.9	129.93
199	18-Jul-95	14.8	1.87	12.6	18	285.05	217.05	10.6	0.59	9.4	11.3	204.5	136.49
200	19-Jul-95	16.6	1.47	14.4	18.2	301.66	229.66	11.6	1.28	9.5	12.8	216.1	144.09

Table 6. Temperature data for Cribbons Point station (13).

Julian		Daily mean surface	Standard	Daily	Daily	Monthly accumulated degree days	Monthly accumulated degree days	Daily mean bottom	Standard	Daily	Daily	Monthly accumulated degree days	Monthly accumulated degree days
201	20-Jul-95	18.3	0.27	17.5	18.5	319.93	243.93	14.0	0.47	13.1	14.6	230.1	154.13
202	21-Jul-95	17.7	0.25	17.3	18.2	337.65	257.65	15.1	0.32	14.3	15.4	245.2	165.19
203	22-Jul-95	18.5	0.33	17.8	18.8	356.13	272.13	15.8	0.17	15.5	16.1	261.0	176.97
204	23-Jul-95	17.0	0.36	16.6	17.5	373.08	285.08	13.1	0.86	11.6	14.6	274.0	186.04
205	24-Jul-95	18.0	0.69	17	18.9	391.12	299.12	15.9	1.80	12.3	17.7	290.0	197.97
206	25-Jul-95	18.8	0.25	18.4	19.2	409.95	313.95	15.0	1.41	13.3	17.2	305.0	208.95
207	26-Jul-95	18.9	0.18	18.6	19.3	428.89	328.89	14.5	1.61	12.4	17	319.5	219.48
208	27-Jul-95	19.6	0.29	19.1	20.2	448.49	344.49	16.1	2.11	12.8	17.8	335.5	231.53
209	28-Jul-95	19.8	0.82	18.1	20.5	468.27	360.27	12.5	1.78	11	16.7	348.0	239.99
210	29-Jul-95	15.7	0.80	14.6	17.2	483.92	371.92	11.4	0.68	10.7	13	359.4	247.38
211	30-Jul-95	19.0	1.13	17.7	20.3	502.90	386.90	14.4	1.02	13.1	15.7	373.8	257.78
212	31-Jul-95	20.2	0.13	20	20.4	523.05	403.05	15.9	0.99	14.4	17.4	389.7	269.71
213	01-Aug-95	20.4	0.11	20.2	20.5	20.35	16.35	17.2	1.40	15.1	19.1	17.17	13.17
214	02-Aug-95	20.1	0.12	19.9	20.3	40.40	32.40	17.4	3.68	11.3	20.1	34.6	26.59
215	03-Aug-95	19.7	0.30	19.3	20.2	60.08	48.08	11.0	0.57	10.1	11.7	45.6	33.57
216	04-Aug-95	17.5	0.81	16.3	18.7	77.61	61.61	11.6	0.49	11	12.7	57.2	41.21
217	05-Aug-95	19.1	0.20	18.8	19.4	96.71	76.71	12.8	0.61	12	13.7	70.0	50.02
218	06-Aug-95	19.1	0.13	19	19.4	115.81	91.81	15.1	2.33	12.2	18.9	85.1	61.14
219	07-Aug-95	19.3	0.20	19.1	19.6	135.14	107.14	11.0	0.55	10.2	12.1	96.2	68.17
220	08-Aug-95	19.4	0.14	19.3	19.8	154.57	122.57	12.8	1.40	11.1	15.2	108.9	76.93
221	09-Aug-95	20.1	0.17	19.9	20.4	174.66	138.66	15.8	1.38	13	17.4	124.7	88.73
222	10-Aug-95	20.2	0.14	19.9	20.4	194.82	154.82	14.6	1.84	12.4	17.4	139.3	99.33
223	11-Aug-95	19.2	0.60	17.7	19.9	214.03	170.03	13.4	0.98	12.2	15	152.7	108.68
224	12-Aug-95	17.2	0.62	16.1	18.4	231.27	183.27	14.2	2.13	11.1	16.6	166.9	118.87
225	13-Aug-95	18.9	0.39	18.3	19.2	250.14	198.14	17.6	0.76	16.6	18.5	184.5	132.48
226	14-Aug-95	19.0	0.06	18.9	19.1	269.17	213.17	18.8	0.10	18.6	18.9	203.3	147.27
227	15-Aug-95	19.1	0.27	18.8	19.7	288.27	228.27	14.5	1.98	13	18.7	217.8	157.80
228	16-Aug-95	19.3	0.18	19.1	19.7	307.55	243.55	14.7	0.86	13.1	15.7	232.5	168.46
229	17-Aug-95	20.1	0.09	20	20.2	327.65	259.65	17.4	1.17	15.9	19.8	249.9	181.90
230	18-Aug-95	19.8	0.12	19.6	20	347.43	275.43	19.0	1.34	15.7	19.9	268.9	196.94
231	19-Aug-95	19.9	0.19	19.7	20.2	367.35	291.35	14.3	0.54	13.6	15	283.2	207.23
232	20-Aug-95	19.8	0.11	19.6	19.9	387.13	307.13	16.1	0.85	15.1	17.2	299.3	219.28
233	21-Aug-95	19.7	0.17	19.3	19.8	406.79	322.79	17.1	0.81	15.7	18.2	316.3	232.33
234	22-Aug-95	19.4	0.14	19.2	19.7	426.19	338.19	18.6	0.88	16.7	19.3	334.9	246.93
235	23-Aug-95	19.1	0.11	18.9	19.3	445.24	353.24	19.0	0.14	18.7	19.1	353.9	261.89
236	24-Aug-95	18.8	0.12	18.6	18.9	463.99	367.99	17.9	0.48	17.5	18.9	371.8	275.80
237	25-Aug-95	18.3	0.20	18	18.6	482.28	382.28	18.2	0.22	17.8	18.6	390.0	290.04
238	26-Aug-95	17.7	0.13	17.5	18	499.99	395.99	17.4	0.32	17	17.8	407.4	303.42
239	27-Aug-95	17.6	0.13	17.4	17.8	517.62	409.62	17.2	0.14	17	17.4	424.6	316.61
240	28-Aug-95	17.6	0.10	17.5	17.7	535.22	423.22	17.3	0.10	17.2	17.4	441.9	329.88
241	29-Aug-95	17.4	0.07	17.4	17.6	552.66	436.66	17.4	0.03	17.4	17.5	459.3	343.29
242	30-Aug-95	17.4	0.07	17.2	17.4	570.01	450.01	17.3	0.07	17.2	17.4	476.6	356.59
243	31-Aug-95	17.3	0.10	17.2	17.4	587.31	463.31	17.2	0.10	17.1	17.4	493.8	369.83
244	01-Sep-95	17.3	0.08	17.2	17.4	17.29	13.29	17.2	0.07	17	17.2	17.15	13.15

Table 6. Temperature data for Cnibbons Point station (13).

Julian		Daily mean surface	Standard	Daily	Daily	Monthly accumulated degree days	Monthly accumulated degree days
245	02-Sep-95	17.3	0.11	17.2	17.5	34.60	26.60
246	03-Sep-95	17.5	0.11	17.3	17.6	52.05	40.05
247	04-Sep-95	17.6	0.16	17.4	17.8	69.62	53.62
248	05-Sep-95	17.3	0.18	17.1	17.7	86.93	66.93
249	06-Sep-95	17.2	0.09	17.1	17.4	104.13	80.13
250	07-Sep-95	17.2	0.12	17	17.4	121.28	93.28
251	08-Sep-95	17.2	0.07	17.1	17.3	138.48	106.48
252	09-Sep-95	17.1	0.05	17	17.1	155.54	119.54
253	10-Sep-95	16.8	0.15	16.6	17	172.37	132.37
254	11-Sep-95	16.6	0.11	16.4	16.8	188.98	144.98
255	12-Sep-95	16.6	0.05	16.6	16.7	205.61	157.61
256	13-Sep-95	16.8	0.07	16.7	16.9	222.36	170.36
257	14-Sep-95	16.8	0.05	16.8	16.9	239.19	183.19
258	15-Sep-95	16.6	0.12	16.4	16.8	255.79	195.79
259	16-Sep-95	16.4	0.12	16.3	16.6	272.23	208.23
260	17-Sep-95	16.2	0.10	16.1	16.4	288.42	220.42
261	18-Sep-95	16.3	0.09	16.2	16.4	304.69	232.69
262	19-Sep-95	16.1	0.31	15.1	16.3	320.75	244.75
263	20-Sep-95	16.5	3.56	12	20.5	337.27	257.27
264	21-Sep-95	16.6	4.76	8.8	20.5	353.88	269.88

Daily mean bottom	Standard	Daily	Daily	Monthly accumulated degree days	Monthly accumulated degree days
17.1	0.06	17	17.2	34.2	26.23
17.1	0.05	17	17.1	51.3	39.29
17.0	0.07	16.9	17.1	68.3	52.26
17.0	0.08	16.8	17	85.2	65.22
17.1	0.10	17	17.2	102.3	78.31
17.1	0.10	17	17.2	119.4	91.41
17.1	0.07	17	17.2	136.6	104.55
17.0	0.03	16.9	17	153.5	117.54
16.8	0.18	16.6	17	170.3	130.33
16.5	0.09	16.4	16.6	186.9	142.85
16.6	0.06	16.4	16.6	203.4	155.43
16.7	0.07	16.5	16.7	220.1	168.08
16.6	0.05	16.5	16.6	236.6	180.63
16.5	0.08	16.3	16.6	253.1	193.12
16.2	0.09	16.1	16.4	269.4	205.36
16.2	0.12	15.9	16.4	285.5	217.51
16.2	0.04	16.2	16.3	301.7	229.73
16.1	0.08	16	16.2	317.8	241.83
16.6	3.49	12.2	20.5	334.5	254.47
16.3	5.12	8.2	20.5	350.7	266.73

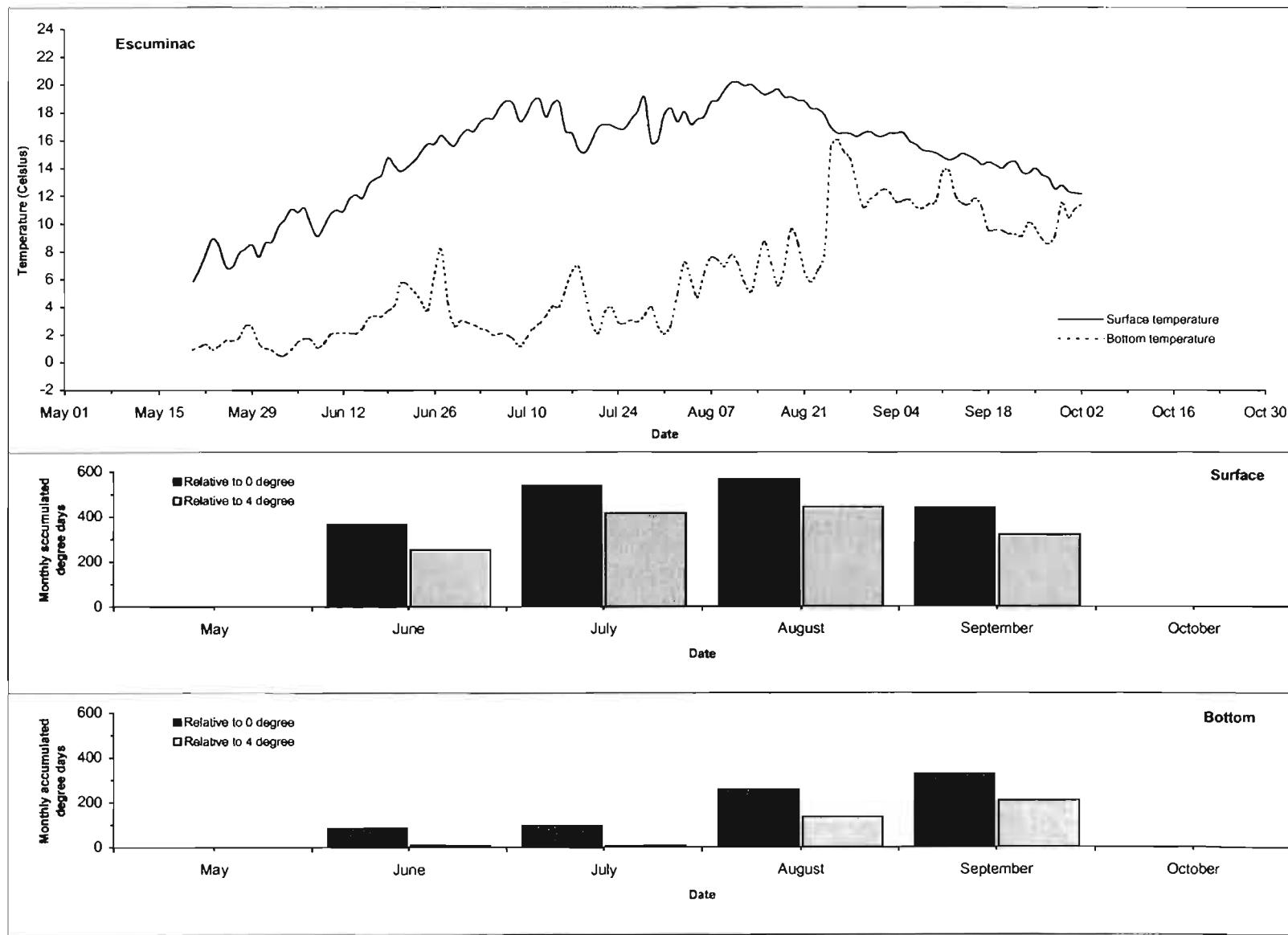


Figure 6. Daily 1995 temperature data and monthly accumulated degree days for Escuminac station (8).

Table 7. Temperature data for Escuminac station (8).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
140	20-May-95	5.8	0.64	4.8	7.1	5.8	1.8	0.9	0.17	0.8	1.2	0.9	0.0
141	21-May-95	6.8	0.89	5.4	8.5	12.6	4.6	1.1	0.16	1.0	1.4	2.1	0.0
142	22-May-95	7.9	0.77	6.2	8.6	20.5	8.5	1.3	0.10	1.2	1.4	3.4	0.0
143	23-May-95	8.9	0.82	7.9	10.3	29.4	13.4	0.9	0.16	0.8	1.2	4.3	0.0
144	24-May-95	8.4	0.69	7.3	9.4	37.8	17.8	1.2	0.18	0.8	1.4	5.5	0.0
145	25-May-95	6.9	0.36	6.3	7.5	44.8	20.8	1.6	0.10	1.4	1.8	7.1	0.0
146	26-May-95	6.9	0.69	6.2	8.0	51.7	23.7	1.6	0.17	1.4	1.8	8.7	0.0
147	27-May-95	7.9	0.77	6.5	9.2	59.6	27.6	1.8	0.22	1.4	2.1	10.5	0.0
148	28-May-95	8.2	0.76	6.8	9.6	67.8	31.8	2.7	0.40	2.1	3.1	13.1	0.0
149	29-May-95	8.5	0.45	7.7	9.3	76.3	36.3	2.5	0.63	1.6	3.9	15.7	0.0
150	30-May-95	7.6	0.33	6.9	7.9	84.0	40.0	1.4	0.30	1.0	2.1	17.1	0.0
151	31-May-95	8.7	0.68	7.9	9.8	92.6	44.6	1.0	0.17	0.8	1.2	18.1	0.0
152	01-Jun-95	8.7	0.46	8.1	9.5	8.7	4.7	0.9	0.25	0.6	1.4	0.9	0.0
153	02-Jun-95	9.8	0.35	9.1	10.4	18.6	10.6	0.5	0.13	0.4	0.8	1.4	0.0
154	03-Jun-95	10.3	0.19	10.1	10.6	28.9	16.9	0.5	0.16	0.4	0.8	2.0	0.0
155	04-Jun-95	11.1	0.62	10.5	12.6	40.0	24.0	1.0	0.12	0.8	1.2	2.9	0.0
156	05-Jun-95	10.9	0.45	10.1	11.5	50.8	30.8	1.5	0.20	1.2	1.8	4.4	0.0
157	06-Jun-95	11.2	0.48	10.5	11.9	62.0	38.0	1.7	0.15	1.6	2.1	6.1	0.0
158	07-Jun-95	10.0	0.77	9.2	11.2	72.0	44.0	1.7	0.16	1.4	1.8	7.8	0.0
159	08-Jun-95	9.1	1.00	8.1	11.2	81.1	49.1	1.1	0.21	0.6	1.2	8.9	0.0
160	09-Jun-95	9.8	0.77	8.7	10.8	90.9	54.9	1.4	0.22	1.0	1.8	10.2	0.0
161	10-Jun-95	10.7	0.62	9.7	11.5	101.6	61.6	2.0	0.17	1.6	2.1	12.3	0.0
162	11-Jun-95	11.0	0.17	10.7	11.2	112.6	68.6	2.1	0.08	2.1	2.3	14.4	0.0
163	12-Jun-95	10.9	0.45	10.1	11.5	123.5	75.5	2.2	0.10	2.1	2.3	16.6	0.0
164	13-Jun-95	11.8	0.57	11.2	12.6	135.3	83.3	2.1	0.08	2.1	2.3	18.7	0.0
165	14-Jun-95	12.1	0.33	11.6	12.6	147.4	91.4	2.1	0.12	1.8	2.3	20.8	0.0
166	15-Jun-95	11.9	0.18	11.5	12.1	159.3	99.3	2.5	0.24	2.3	2.9	23.3	0.0
167	16-Jun-95	12.9	0.51	12.2	13.5	172.2	108.2	3.2	0.42	2.7	4.1	26.5	0.0
168	17-Jun-95	13.3	0.37	12.8	14.0	185.5	117.5	3.4	0.18	3.1	3.7	29.9	0.0
169	18-Jun-95	13.6	0.50	13.0	14.3	199.0	127.0	3.3	0.22	3.1	3.7	33.3	0.0
170	19-Jun-95	14.8	0.40	14.1	15.4	213.8	137.8	3.8	0.15	3.5	3.9	37.0	0.0
171	20-Jun-95	14.2	0.27	13.7	14.6	228.0	148.0	4.2	0.48	3.7	5.3	41.2	0.2
172	21-Jun-95	13.8	0.31	13.5	14.4	241.8	157.8	5.8	0.62	4.9	6.6	47.0	2.0
174	23-Jun-95	14.6	0.38	14.1	15.2	256.4	168.4	5.1	0.18	4.9	5.3	52.1	3.1
175	24-Jun-95	15.2	0.43	14.4	15.9	271.6	179.6	4.4	1.02	3.1	5.8	56.5	3.4
176	25-Jun-95	15.8	0.46	15.3	16.7	287.4	191.4	3.8	0.49	3.1	4.3	60.3	3.4
177	26-Jun-95	15.8	0.43	15.1	16.5	303.1	203.1	6.5	1.44	4.3	7.8	66.8	5.9
178	27-Jun-95	16.4	0.61	15.7	17.3	319.6	215.6	8.2	0.28	7.8	8.6	75.0	10.1
179	28-Jun-95	16.0	0.91	14.7	17.5	335.5	227.5	4.3	1.32	2.7	6.8	79.3	10.4
180	29-Jun-95	15.7	0.20	15.4	16.1	351.2	239.2	2.7	0.12	2.5	2.9	81.9	10.4
181	30-Jun-95	16.4	0.52	15.7	17.3	367.5	251.5	3.1	0.09	2.9	3.1	85.0	10.4
182	01-Jul-95	16.8	0.27	16.3	17.3	16.8	12.8	2.9	0.21	2.7	3.3	2.9	0.0
183	02-Jul-95	16.7	0.37	16.2	17.4	33.5	25.5	2.7	0.12	2.5	2.9	5.6	0.0

Table 7. Temperature data for Escuminac station (8).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
184	03-Jul-95	17.4	0.34	16.9	17.9	50.9	38.9	2.5	0.14	2.3	2.7	8.1	0.0
185	04-Jul-95	17.7	0.49	17.0	18.5	68.5	52.5	2.3	0.16	2.1	2.5	10.4	0.0
186	05-Jul-95	17.7	0.39	17.0	18.2	86.2	66.2	2.0	0.20	1.8	2.3	12.4	0.0
187	06-Jul-95	18.5	0.61	17.5	19.2	104.7	80.7	2.1	0.12	1.8	2.3	14.5	0.0
188	07-Jul-95	18.9	0.29	18.5	19.3	123.6	95.6	2.0	0.20	1.8	2.3	16.5	0.0
189	08-Jul-95	18.7	0.35	18.2	19.2	142.3	110.3	1.7	0.27	1.4	2.1	18.2	0.0
190	09-Jul-95	17.4	0.97	15.3	18.5	159.7	123.7	1.2	0.25	0.8	1.6	19.4	0.0
191	10-Jul-95	17.9	0.98	16.1	19.0	177.7	137.7	1.9	0.28	1.2	2.3	21.2	0.0
192	11-Jul-95	18.9	0.43	18.3	19.4	196.5	152.5	2.5	0.19	2.1	2.7	23.7	0.0
193	12-Jul-95	19.0	0.33	18.6	19.8	215.5	167.5	2.9	0.23	2.5	3.3	26.5	0.0
194	13-Jul-95	17.7	0.83	15.7	18.8	233.3	181.3	3.4	0.34	2.9	4.1	29.9	0.0
195	14-Jul-95	18.7	0.70	17.4	19.7	251.9	195.9	4.1	0.21	3.7	4.3	34.0	0.1
196	15-Jul-95	18.8	0.54	17.4	19.4	270.8	210.8	4.0	0.36	3.7	4.7	38.0	0.1
197	16-Jul-95	16.7	0.62	15.7	17.5	287.5	223.5	5.3	0.53	4.3	6.0	43.4	1.4
198	17-Jul-95	16.6	0.30	16.1	17.0	304.1	236.1	6.6	0.28	6.2	7.0	50.0	4.1
199	18-Jul-95	15.4	0.59	14.6	16.4	319.5	247.5	6.9	0.39	5.8	7.2	56.9	6.9
200	19-Jul-95	15.2	0.67	13.9	16.2	334.6	258.6	4.9	0.60	3.7	5.8	61.7	7.8
201	20-Jul-95	16.0	0.43	15.4	16.7	350.7	270.7	2.8	0.45	2.3	3.5	64.5	7.8
202	21-Jul-95	17.0	0.36	16.3	17.4	367.6	283.6	2.1	0.27	1.8	2.5	66.6	7.8
203	22-Jul-95	17.2	0.34	16.8	17.8	384.8	296.8	3.7	0.73	2.5	4.5	70.3	7.8
204	23-Jul-95	17.1	0.20	16.7	17.4	401.9	309.9	4.0	0.44	3.3	4.7	74.3	7.8
205	24-Jul-95	16.9	0.61	15.7	17.8	418.8	322.8	2.9	0.27	2.5	3.3	77.2	7.8
206	25-Jul-95	16.9	0.43	16.2	17.5	435.7	335.7	2.8	0.20	2.5	3.1	80.1	7.8
207	26-Jul-95	17.5	0.54	16.7	18.4	453.2	349.2	3.1	0.26	2.7	3.5	83.1	7.8
208	27-Jul-95	18.1	0.25	17.7	18.4	471.3	363.3	2.9	0.19	2.7	3.3	86.1	7.8
209	28-Jul-95	19.1	0.96	18.1	20.2	490.5	378.5	3.4	0.44	2.9	4.3	89.5	7.8
210	29-Jul-95	15.9	1.83	12.1	18.8	506.3	390.3	4.0	0.41	3.1	4.5	93.5	7.8
211	30-Jul-95	16.0	1.50	13.8	17.8	522.4	402.4	2.6	0.51	1.8	3.3	96.1	7.8
212	31-Jul-95	17.9	0.45	17.3	18.6	540.3	416.3	2.0	0.23	1.8	2.3	98.2	7.8
213	01-Aug-95	18.3	0.49	17.8	19.1	18.3	14.3	2.8	0.40	2.3	3.5	2.8	0.0
214	02-Aug-95	17.3	0.39	16.9	18.2	35.7	27.7	5.1	0.95	3.7	6.4	7.9	1.1
215	03-Aug-95	18.1	0.78	16.8	19.4	53.8	41.8	7.2	0.90	6.4	8.6	15.1	4.3
216	04-Aug-95	17.2	0.33	16.6	17.5	70.9	54.9	5.9	0.37	5.1	6.4	21.0	6.2
217	05-Aug-95	17.5	0.38	17.0	18.0	88.4	68.4	4.7	0.41	4.1	5.5	25.7	6.9
218	06-Aug-95	17.7	0.63	16.9	18.6	106.2	82.2	6.5	1.04	4.7	7.8	32.2	9.4
219	07-Aug-95	18.8	0.32	18.5	19.5	124.9	96.9	7.6	0.44	7.0	8.4	39.8	13.0
220	08-Aug-95	18.9	0.62	18.2	20.0	143.8	111.8	7.4	0.49	6.8	8.4	47.2	16.4
221	09-Aug-95	19.6	0.49	18.8	20.4	163.4	127.4	6.9	0.46	6.2	7.6	54.1	19.3
222	10-Aug-95	20.1	0.27	19.7	20.5	183.5	143.5	7.8	0.59	6.8	8.6	61.9	23.1
223	11-Aug-95	20.2	0.32	19.6	20.5	203.7	159.7	7.2	1.04	6.0	8.8	69.0	26.2
224	12-Aug-95	19.9	0.34	19.2	20.2	223.6	175.6	5.8	0.47	5.1	6.4	74.8	28.0
225	13-Aug-95	20.0	0.16	19.8	20.3	243.7	191.7	5.1	0.26	4.9	5.8	79.9	29.1
226	14-Aug-95	19.6	0.08	19.5	19.7	263.3	207.3	7.2	1.09	5.8	9.2	87.1	32.3
227	15-Aug-95	19.3	0.16	19.1	19.6	282.6	222.6	8.7	0.41	7.8	9.2	95.8	37.0
228	16-Aug-95	19.5	0.29	19.1	19.8	302.0	238.0	7.2	1.02	5.8	8.4	103.0	40.2

Table 7. Temperature data for Escuminac station (8).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
229	17-Aug-95	19.7	0.15	19.5	19.9	321.7	253.7	5.5	0.47	5.1	6.6	108.5	41.7
230	18-Aug-95	19.1	0.11	19.0	19.4	340.8	268.8	7.0	0.91	5.5	8.2	115.5	44.7
231	19-Aug-95	19.1	0.30	18.8	19.8	360.0	284.0	9.6	0.70	8.0	10.3	125.1	50.3
232	20-Aug-95	18.9	0.09	18.8	19.0	378.9	298.9	8.7	0.79	7.6	9.7	133.8	55.0
233	21-Aug-95	18.8	0.20	18.6	19.1	397.7	313.7	6.6	0.37	6.0	7.2	140.4	57.6
234	22-Aug-95	18.3	0.18	18.0	18.6	416.0	328.0	5.8	0.21	5.5	6.0	146.2	59.4
235	23-Aug-95	18.3	0.08	18.2	18.4	434.3	342.3	6.7	0.64	5.8	7.4	152.8	62.0
236	24-Aug-95	17.9	0.14	17.7	18.1	452.2	356.2	7.7	0.21	7.2	8.0	160.5	65.7
237	25-Aug-95	17.0	0.21	16.7	17.4	469.2	369.2	15.5	3.18	8.0	17.1	176.0	77.2
238	26-Aug-95	16.5	0.25	16.2	16.9	485.7	381.7	16.1	0.38	15.6	16.6	192.1	89.3
239	27-Aug-95	16.6	0.22	16.1	16.9	502.3	394.3	15.2	0.28	14.8	15.6	207.3	100.5
240	28-Aug-95	16.5	0.29	16.1	17.2	518.8	406.8	14.7	0.25	14.2	15.0	222.0	111.2
241	29-Aug-95	16.3	0.16	16.1	16.6	535.1	419.1	12.7	1.31	11.3	14.8	234.7	119.9
242	30-Aug-95	16.6	0.12	16.3	16.7	551.6	431.6	11.2	0.28	10.9	11.7	245.9	127.1
243	31-Aug-95	16.7	0.28	16.4	17.2	568.3	444.3	11.8	0.23	11.3	12.1	257.7	134.9
244	01-Sep-95	16.4	0.08	16.2	16.5	16.4	12.4	12.2	0.13	11.9	12.3	12.2	8.2
245	02-Sep-95	16.4	0.14	16.2	16.6	32.7	24.7	12.5	0.20	12.1	12.7	24.7	16.7
246	03-Sep-95	16.5	0.34	16.1	17.1	49.3	37.3	12.3	0.37	11.9	12.9	37.0	25.0
247	04-Sep-95	16.6	0.35	16.1	17.2	65.8	49.8	11.6	0.35	11.1	12.1	48.6	32.6
248	05-Sep-95	16.6	0.22	16.2	17.0	82.4	62.4	11.7	0.30	11.3	12.3	60.3	40.3
249	06-Sep-95	16.0	0.26	15.8	16.6	98.4	74.4	11.8	0.48	11.1	12.5	72.0	48.0
250	07-Sep-95	15.7	0.17	15.4	16.0	114.2	86.2	11.2	0.53	10.5	12.1	83.3	55.3
251	08-Sep-95	15.3	0.26	15.1	15.9	129.5	97.5	11.1	0.35	10.7	11.7	94.4	62.4
252	09-Sep-95	15.2	0.21	15.0	15.6	144.7	108.7	11.5	0.15	11.3	11.7	105.8	69.8
253	10-Sep-95	15.1	0.11	14.9	15.3	159.9	119.9	11.6	0.13	11.5	11.9	117.5	77.5
254	11-Sep-95	14.9	0.05	14.8	14.9	174.7	130.7	13.8	1.07	12.1	14.8	131.2	87.2
255	12-Sep-95	14.6	0.06	14.5	14.7	189.3	141.3	13.9	0.44	12.9	14.2	145.1	97.1
256	13-Sep-95	14.8	0.22	14.5	15.1	204.1	152.1	12.1	0.68	10.9	13.2	157.2	105.2
257	14-Sep-95	15.1	0.08	15.0	15.2	219.2	163.2	11.5	0.43	10.7	12.1	168.7	112.7
258	15-Sep-95	14.9	0.14	14.7	15.1	234.1	174.1	11.4	0.51	10.7	12.3	180.1	120.1
259	16-Sep-95	14.7	0.17	14.4	15.0	248.8	184.8	11.9	0.39	11.3	12.3	192.0	128.0
260	17-Sep-95	14.3	0.00	14.3	14.3	263.1	195.1	11.2	0.67	10.3	12.1	203.1	135.1
261	18-Sep-95	14.5	0.13	14.3	14.6	277.6	205.6	9.6	0.47	9.0	10.3	212.7	140.7
262	19-Sep-95	14.3	0.16	14.0	14.6	291.9	215.9	9.6	0.26	9.2	9.9	222.3	146.3
263	20-Sep-95	14.1	0.19	13.8	14.4	305.9	225.9	9.6	0.28	9.2	10.1	231.9	151.9
264	21-Sep-95	14.4	0.25	14.0	15.0	320.4	236.4	9.3	0.37	9.0	10.1	241.2	157.2
265	22-Sep-95	14.5	0.13	14.4	14.7	334.9	246.9	9.3	0.33	9.0	9.9	250.5	162.5
266	23-Sep-95	13.8	0.39	13.3	14.5	348.6	256.6	9.1	0.30	8.8	9.9	259.6	167.6
267	24-Sep-95	13.7	0.45	13.1	14.4	362.3	266.3	10.1	0.17	9.9	10.3	269.7	173.7
268	25-Sep-95	14.1	0.37	13.0	14.4	376.4	276.4	9.8	0.28	9.2	10.1	279.5	179.5
269	26-Sep-95	13.6	0.18	13.3	13.9	389.9	285.9	8.9	0.42	8.6	9.7	288.4	184.4
270	27-Sep-95	13.3	0.45	12.7	14.0	403.3	295.3	8.6	0.16	8.2	8.8	297.0	189.0
271	28-Sep-95	12.5	0.32	12.0	13.0	415.8	303.8	9.2	1.27	8.2	11.9	306.1	194.1
272	29-Sep-95	12.8	0.42	12.1	13.3	428.6	312.6	11.5	0.94	9.2	12.1	317.6	201.6
273	30-Sep-95	12.4	0.21	12.0	12.7	440.9	320.9	10.5	0.70	9.2	11.7	328.1	208.1

Table 7. Temperature data for Escuminac station (8).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
274	01-Oct-95	12.2	0.18	11.9	12.5	12.2	8.2	11.1	0.47	10.3	11.7	11.1	7.1
275	02-Oct-95	12.2	0.14	12.0	12.4	24.4	16.4	11.4	0.10	11.3	11.5	22.5	14.5

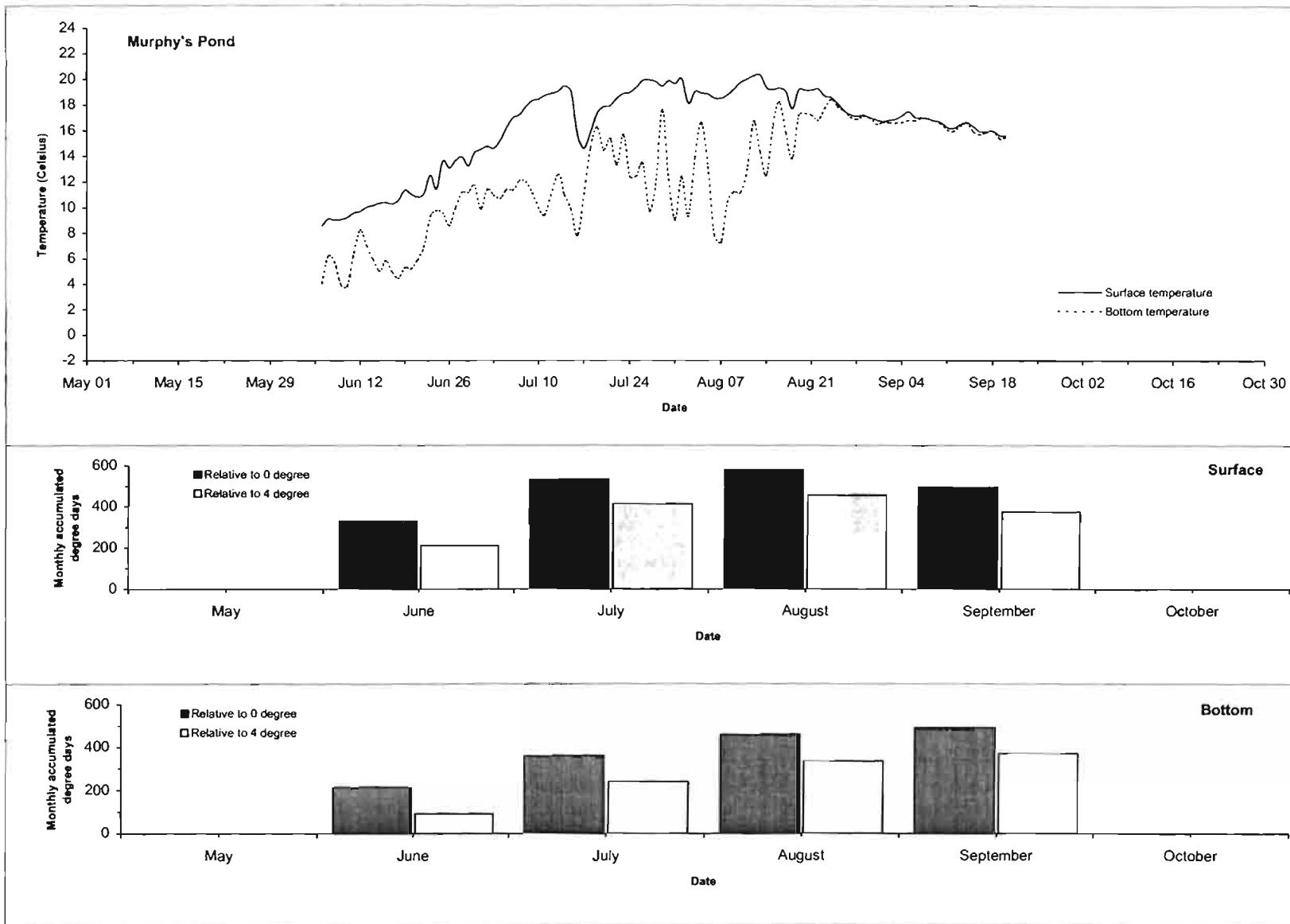


Figure 7. Daily 1995 temperature data and monthly accumulated degree days for Murphy's Pond station (14).

Table 8. Temperature data for Murphy's Pond station (14).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Accumulated degree days relative to 0 deg.	Accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Accumulated degree days relative to 0 deg.	Accumulated degree days relative to 4 deg.
157	06-Jun-95	8.6	0.49	7.5	9.1	8.6	4.6	4.1	1.96	1.5	8.2	4.1	0.1
158	07-Jun-95	9.1	0.19	8.8	9.4	17.7	9.7	6.2	1.38	4.6	8.6	10.3	2.3
159	08-Jun-95	9.0	0.09	8.9	9.2	26.7	14.7	5.7	3.20	1.5	9.0	16.0	4.0
160	09-Jun-95	9.1	0.41	8.2	9.7	35.8	19.8	3.9	2.04	1.5	7.5	20.0	4.0
161	10-Jun-95	9.2	0.23	8.9	9.7	45.1	25.1	3.9	1.38	1.5	6.7	23.8	4.0
162	11-Jun-95	9.6	0.22	9.3	10.0	54.6	30.6	6.5	1.71	4.0	9.0	30.3	6.5
163	12-Jun-95	9.7	0.22	9.3	10.0	64.3	36.3	8.3	0.73	6.8	9.2	38.6	10.8
164	13-Jun-95	10.0	0.27	9.6	10.5	74.4	42.4	7.0	1.15	5.4	8.8	45.6	13.8
165	14-Jun-95	10.2	0.30	9.7	10.5	84.6	48.6	5.9	1.22	3.4	7.6	51.5	15.7
166	15-Jun-95	10.4	0.48	9.2	10.9	94.9	54.9	5.0	0.95	3.6	6.6	56.5	16.8
167	16-Jun-95	10.4	0.35	9.7	10.9	105.3	61.3	5.9	2.09	1.9	9.7	62.4	18.6
168	17-Jun-95	10.3	0.47	9.6	11.2	115.6	67.6	5.0	2.09	2.1	8.2	67.4	19.6
169	18-Jun-95	10.6	0.59	9.5	11.2	126.2	74.2	4.5	1.02	2.8	5.9	71.9	20.1
170	19-Jun-95	11.4	0.80	10.5	13.0	137.6	81.6	5.3	1.09	3.5	7.0	77.2	21.4
171	20-Jun-95	11.1	1.15	9.9	12.8	148.6	88.6	5.2	1.04	3.5	7.8	82.4	22.6
172	21-Jun-95	10.8	0.27	10.4	11.3	159.4	95.4	5.9	0.57	5.3	6.8	88.3	24.5
173	22-Jun-95	11.1	0.46	10.4	11.9	170.5	102.5	6.9	1.16	4.7	8.5	95.2	27.4
174	23-Jun-95	12.5	0.54	11.2	13.1	183.0	111.0	9.4	1.51	6.9	11.4	104.6	32.8
175	24-Jun-95	11.5	0.74	10.5	12.8	194.5	118.5	9.8	1.28	6.4	10.7	114.4	38.6
176	25-Jun-95	13.6	1.34	11.1	16.4	208.1	128.1	9.6	0.83	8.2	10.8	123.9	44.2
177	26-Jun-95	13.1	0.82	11.9	15.0	221.2	137.2	8.6	1.12	6.1	9.7	132.6	48.8
178	27-Jun-95	13.7	0.20	13.3	13.9	234.9	146.9	10.0	1.52	6.6	12.0	142.6	54.8
179	28-Jun-95	14.0	0.24	13.5	14.2	248.9	156.9	11.2	1.09	9.1	13.0	153.8	62.0
180	29-Jun-95	13.3	0.34	12.5	13.9	262.1	166.1	11.2	1.53	8.2	13.0	165.0	69.2
181	30-Jun-95	14.3	0.24	13.6	14.6	276.4	176.4	11.8	1.54	8.9	13.8	176.7	76.9
182	01-Jul-95	14.5	0.25	14.2	15.0	14.5	10.5	9.9	1.78	7.5	13.1	9.9	5.9
183	02-Jul-95	14.8	0.13	14.6	15.1	29.3	21.3	11.4	2.04	8.5	14.3	21.3	13.3
184	03-Jul-95	14.6	0.44	13.8	15.1	44.0	32.0	11.0	1.21	9.3	12.8	32.3	20.3
185	04-Jul-95	15.3	0.48	14.0	15.8	59.2	43.2	10.7	1.04	8.8	12.4	43.0	27.0
186	05-Jul-95	16.3	0.63	15.3	17.0	75.5	55.5	11.4	0.75	10.3	12.6	54.5	34.5
187	06-Jul-95	17.0	0.37	16.3	17.5	92.5	68.5	11.4	1.67	8.8	13.5	65.9	41.9
188	07-Jul-95	17.3	0.53	16.4	18.2	109.7	81.7	12.1	1.42	9.3	13.6	78.0	50.0
189	08-Jul-95	17.9	0.42	17.2	18.5	127.6	95.6	12.0	1.22	9.6	13.5	90.0	58.0
190	09-Jul-95	18.3	0.31	17.8	18.7	145.9	109.9	11.2	1.16	9.7	13.0	101.2	65.2
191	10-Jul-95	18.5	0.32	17.7	18.9	164.4	124.4	10.0	1.81	7.7	13.5	111.1	71.1
192	11-Jul-95	18.7	0.29	18.3	19.2	183.1	139.1	9.5	1.22	7.3	11.5	120.6	76.6
194	13-Jul-95	19.1	0.14	18.9	19.3	202.2	154.2	12.6	3.09	9.2	17.4	133.2	85.2
195	14-Jul-95	19.5	0.18	19.3	19.8	221.6	169.6	11.0	2.65	8.5	17.4	144.2	92.2
196	15-Jul-95	19.1	0.49	18.3	19.7	240.7	184.7	9.9	1.38	7.7	11.5	154.1	98.1
197	16-Jul-95	15.6	1.09	14.1	18.0	256.3	196.3	7.8	1.32	6.2	9.8	161.9	101.9
198	17-Jul-95	14.6	0.58	13.5	15.5	270.9	206.9	11.0	1.54	9.2	13.8	172.9	108.9
199	18-Jul-95	15.8	0.61	15.2	16.9	286.8	218.8	14.7	1.14	12.9	16.4	187.6	119.6
200	19-Jul-95	17.3	0.14	17.0	17.5	304.1	232.1	16.3	0.54	15.4	17.0	203.9	131.9
201	20-Jul-95	17.9	0.13	17.7	18.2	322.0	246.0	14.5	2.89	8.3	17.4	218.3	142.3

Table 8. Temperature data for Murphy's Pond station (14).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Accumulated degree days relative to 0 deg.	Accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Accumulated degree days relative to 0 deg.	Accumulated degree days relative to 4 deg.
202	21-Jul-95	18.0	0.18	17.6	18.3	339.9	259.9	15.4	2.35	11.2	17.5	233.7	153.7
203	22-Jul-95	18.5	0.28	18.0	18.9	358.4	274.4	13.3	1.84	10.2	17.2	247.1	163.1
204	23-Jul-95	18.9	0.12	18.6	19.0	377.3	289.3	15.7	1.87	12.2	18.2	262.8	174.8
205	24-Jul-95	19.0	0.06	18.9	19.1	396.3	304.3	12.4	4.80	7.5	18.6	275.2	183.2
206	25-Jul-95	19.4	0.24	19.0	19.8	415.7	319.7	12.5	2.72	8.4	17.2	287.7	191.7
207	26-Jul-95	19.9	0.14	19.8	20.2	435.6	335.6	13.4	2.41	9.9	16.6	301.1	201.1
208	27-Jul-95	20.0	0.24	19.6	20.4	455.6	351.6	9.7	1.92	6.7	12.6	310.9	206.9
209	28-Jul-95	19.8	0.41	19.3	20.5	475.4	367.4	11.8	3.46	7.9	18.6	322.6	214.6
210	29-Jul-95	19.5	0.21	19.1	19.8	494.8	382.8	17.7	2.92	10.5	19.4	340.3	228.3
211	30-Jul-95	19.9	0.22	19.5	20.2	514.7	398.7	12.2	5.65	5.7	19.6	352.5	236.5
212	31-Jul-95	19.7	0.21	19.3	19.9	534.4	414.4	9.0	1.50	7.1	12.4	361.5	241.5
213	01-Aug-95	20.1	0.17	19.8	20.3	20.1	16.1	12.5	1.21	11.2	14.7	12.5	8.5
214	02-Aug-95	18.1	1.17	16.1	20.0	38.2	30.2	9.3	1.37	6.8	12.0	21.8	13.8
215	03-Aug-95	19.1	0.39	18.2	19.6	57.2	45.2	13.9	3.00	9.4	18.8	35.7	23.7
216	04-Aug-95	18.9	0.11	18.8	19.1	76.2	60.2	16.6	2.26	12.8	18.8	52.4	36.4
217	05-Aug-95	18.9	0.09	18.7	19.0	95.0	75.0	13.2	3.37	7.9	18.8	65.6	45.6
218	06-Aug-95	18.5	0.39	17.9	19.0	113.6	89.6	7.9	2.27	6.2	14.4	73.4	49.4
219	07-Aug-95	18.5	0.23	18.0	18.8	132.1	104.1	7.3	1.09	5.2	9.0	80.7	52.7
220	08-Aug-95	18.8	0.28	18.2	19.3	150.9	118.9	10.4	1.04	9.2	12.7	91.1	59.1
221	09-Aug-95	19.3	0.25	18.8	19.6	170.1	134.1	11.3	1.87	7.3	13.8	102.4	66.4
222	10-Aug-95	19.8	0.29	19.3	20.4	189.9	149.9	11.2	1.81	8.8	14.8	113.6	73.6
223	11-Aug-95	20.0	0.27	19.4	20.4	209.9	165.9	12.9	2.34	8.8	16.6	126.5	82.5
224	12-Aug-95	20.3	0.16	20.1	20.5	230.2	182.2	16.8	2.06	12.7	19.7	143.3	95.3
225	13-Aug-95	20.3	0.16	20.0	20.5	250.6	198.6	14.3	4.33	9.8	20.3	157.6	105.6
226	14-Aug-95	19.4	0.29	18.8	19.8	269.9	213.9	12.6	3.04	9.2	18.8	170.2	114.2
227	15-Aug-95	19.2	0.16	19.0	19.4	289.2	229.2	16.5	3.45	10.0	19.1	186.7	126.7
228	16-Aug-95	19.3	0.10	19.1	19.4	308.5	244.5	18.3	1.17	14.9	19.2	205.0	141.0
229	17-Aug-95	19.1	0.30	18.6	19.6	327.6	259.6	15.8	1.08	13.7	17.2	220.8	152.8
230	18-Aug-95	17.7	0.58	17.0	18.8	345.3	273.3	13.9	1.90	10.6	17.7	234.7	162.7
231	19-Aug-95	19.2	0.11	19.0	19.3	364.5	288.5	17.2	1.28	14.6	18.8	251.9	175.9
232	20-Aug-95	19.2	0.32	18.8	19.6	383.6	303.6	17.4	1.37	15.1	19.2	269.3	189.3
233	21-Aug-95	19.2	0.21	18.8	19.5	402.8	318.8	17.2	0.40	16.7	18.0	286.5	202.5
234	22-Aug-95	19.3	0.29	18.8	19.6	422.1	334.1	16.9	1.05	15.4	19.0	303.3	215.3
235	23-Aug-95	18.7	0.08	18.6	18.8	440.8	348.8	17.7	1.77	13.2	18.8	321.1	229.1
236	24-Aug-95	18.6	0.17	18.4	18.8	459.5	363.5	18.5	0.13	18.3	18.7	339.6	243.6
237	25-Aug-95	18.2	0.38	17.7	18.6	477.6	377.6	17.9	0.65	16.3	18.6	357.5	257.5
238	26-Aug-95	17.6	0.16	17.4	17.8	495.2	391.2	17.6	0.16	17.4	17.8	375.1	271.1
239	27-Aug-95	17.3	0.13	17.1	17.4	512.5	404.5	17.1	0.22	16.6	17.4	392.2	284.2
240	28-Aug-95	17.2	0.16	17.0	17.4	529.6	417.6	16.9	0.13	16.6	17.0	409.1	297.1
241	29-Aug-95	17.2	0.16	17.0	17.5	546.9	430.9	17.2	0.12	17.0	17.4	426.2	310.2
242	30-Aug-95	17.0	0.11	16.8	17.2	563.9	443.9	17.0	0.08	16.9	17.1	443.3	323.3
243	31-Aug-95	16.9	0.17	16.6	17.1	580.8	456.8	16.6	0.25	16.0	17.0	459.8	335.8
244	01-Sep-95	16.8	0.11	16.6	16.9	16.8	12.8	16.7	0.17	16.2	16.8	16.7	12.7
245	02-Sep-95	16.8	0.11	16.7	17.0	33.6	25.6	16.7	0.08	16.6	16.8	33.4	25.4

Table 8. Temperature data for Murphy's Pond station (14).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Accumulated degree days relative to 0 deg.	Accumulated degree days relative to 4 deg.
246	03-Sep-95	16.9	0.16	16.7	17.2	50.5	38.5
247	04-Sep-95	17.2	0.16	17.0	17.5	67.8	51.8
248	05-Sep-95	17.5	0.36	17.2	18.2	85.3	65.3
249	06-Sep-95	17.1	0.09	17.0	17.2	102.3	78.3
250	07-Sep-95	17.1	0.07	17.0	17.2	119.4	91.4
251	08-Sep-95	17.0	0.14	16.8	17.2	136.4	104.4
252	09-Sep-95	16.8	0.05	16.7	16.9	153.1	117.1
253	10-Sep-95	16.7	0.21	16.4	17.0	169.8	129.8
254	11-Sep-95	16.3	0.16	16.1	16.5	186.1	142.1
255	12-Sep-95	16.2	0.12	16.1	16.4	202.4	154.4
256	13-Sep-95	16.5	0.06	16.4	16.6	218.9	166.9
257	14-Sep-95	16.7	0.08	16.5	16.8	235.6	179.6
258	15-Sep-95	16.4	0.30	15.9	16.7	251.9	191.9
259	16-Sep-95	16.0	0.16	15.8	16.2	267.9	203.9
260	17-Sep-95	16.0	0.09	15.9	16.1	283.9	215.9
261	18-Sep-95	16.0	0.12	15.8	16.1	299.9	227.9
262	19-Sep-95	15.6	0.14	15.4	15.8	315.5	239.5
263	20-Sep-95	15.6	0.08	15.5	15.7	331.1	251.1

Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Accumulated degree days relative to 0 deg.	Accumulated degree days relative to 4 deg.
16.6	0.14	16.3	16.8	50.0	38.0
16.7	0.14	16.4	17.0	66.7	50.7
16.9	0.21	16.6	17.1	83.5	63.5
16.8	0.22	16.6	17.2	100.3	76.3
17.0	0.08	16.8	17.1	117.3	89.3
17.0	0.08	16.8	17.1	134.3	102.3
16.8	0.09	16.7	17.0	151.1	115.1
16.6	0.30	15.8	16.9	167.7	127.7
16.1	0.14	15.9	16.4	183.8	139.8
16.0	0.22	15.6	16.2	199.8	151.8
16.4	0.15	16.1	16.6	216.2	164.2
16.6	0.12	16.4	16.7	232.8	176.8
16.0	0.54	15.2	16.6	248.8	188.8
15.7	0.19	15.5	16.0	264.5	200.5
15.9	0.11	15.7	16.1	280.4	212.4
16.0	0.13	15.8	16.1	296.4	224.4
15.4	0.15	15.1	15.7	311.8	235.8
15.5	0.08	15.4	15.6	327.3	247.3

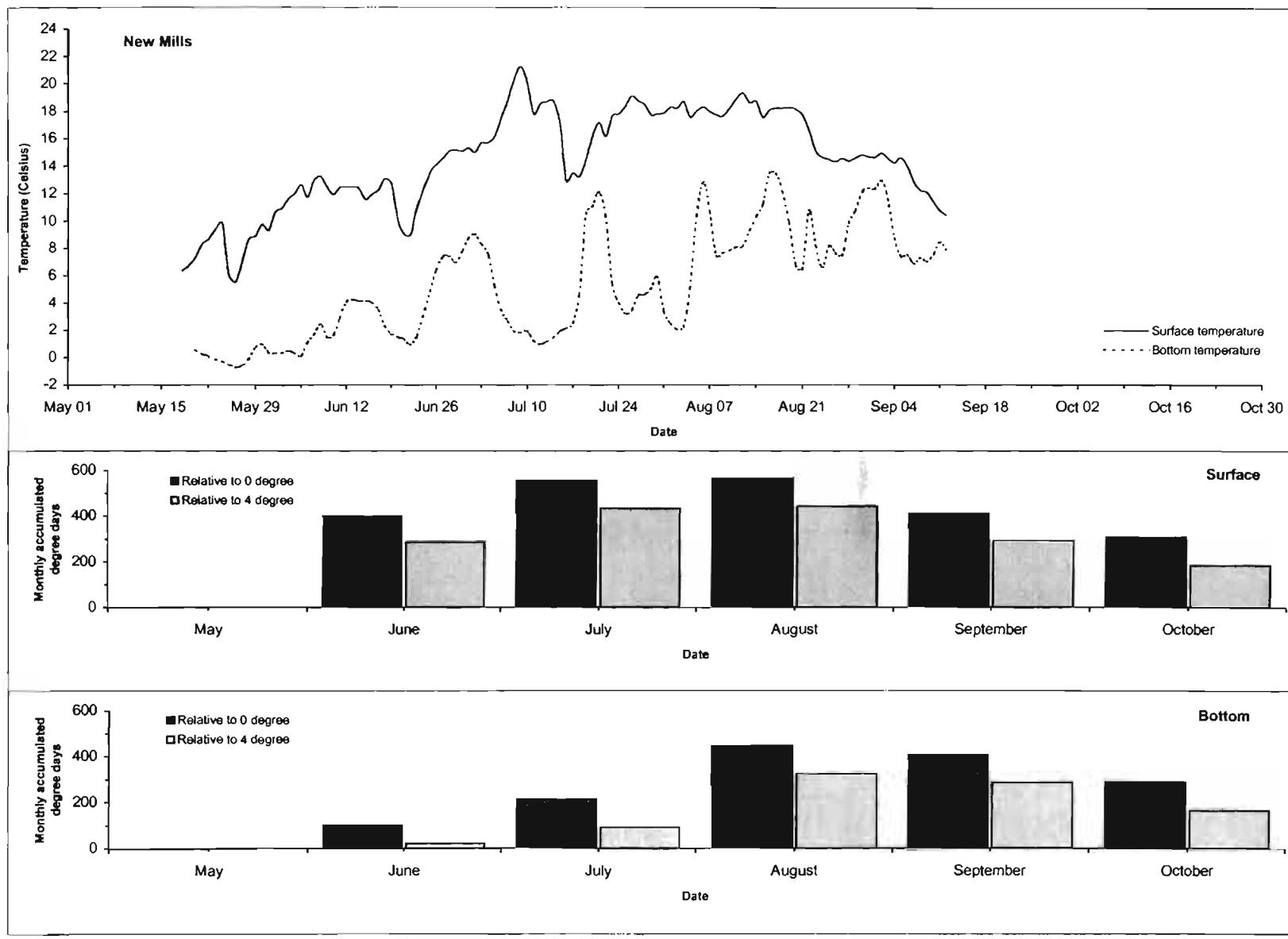


Figure 8. Daily 1995 temperature data and monthly accumulated degree days for New Mills station (1).

Table 9. Temperature data for New Mills station (1).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
138	18-May-95	6.4	0.81	5.5	8.0	6.4	2.4					0.0	0.0
139	19-May-95	6.7	1.46	5.0	8.4	13.1	5.1					0.0	0.0
140	20-May-95	7.3	0.76	6.5	8.9	20.4	8.4	0.6	0.10	0.5	0.7	0.6	0.0
141	21-May-95	8.3	0.88	7.2	9.6	28.7	12.7	0.3	0.18	0.1	0.5	0.9	0.0
142	22-May-95	8.7	1.04	6.8	9.9	37.4	17.4	0.1	0.09	-0.1	0.3	1.0	0.0
143	23-May-95	9.4	0.40	8.7	10.0	46.8	22.8	-0.1	0.08	-0.3	-0.1	1.0	0.0
144	24-May-95	9.9	0.36	9.0	10.5	56.6	28.6	-0.3	0.00	-0.3	-0.3	1.0	0.0
145	25-May-95	6.1	1.57	4.7	9.0	62.8	30.8	-0.5	0.10	-0.7	-0.3	1.0	0.0
146	26-May-95	5.6	1.64	2.5	8.1	68.3	32.3	-0.7	0.00	-0.7	-0.7	1.0	0.0
147	27-May-95	7.0	1.93	3.5	9.2	75.3	35.3	-0.6	0.10	-0.7	-0.5	1.0	0.0
148	28-May-95	8.7	0.84	6.8	9.9	84.0	40.0	-0.1	0.31	-0.5	0.5	1.0	0.0
149	29-May-95	8.9	0.56	7.7	9.5	92.9	44.9	0.8	0.34	0.3	1.3	1.7	0.0
150	30-May-95	9.8	0.38	9.2	10.3	102.7	50.7	1.0	0.30	0.7	1.5	2.7	0.0
151	31-May-95	9.3	0.58	8.4	10.3	112.0	56.0	0.4	0.21	0.1	0.7	3.1	0.0
152	01-Jun-95	10.7	1.08	9.9	13.5	10.7	6.7	0.3	0.15	0.1	0.5	0.3	0.0
153	02-Jun-95	11.0	1.01	8.9	12.7	21.6	13.6	0.3	0.14	0.1	0.5	0.6	0.0
154	03-Jun-95	11.7	0.51	10.6	12.4	33.3	21.3	0.5	0.18	0.3	0.9	1.1	0.0
155	04-Jun-95	12.0	0.43	11.2	12.6	45.3	29.3	0.3	0.13	0.1	0.5	1.4	0.0
156	05-Jun-95	12.7	0.48	12.0	13.3	57.9	37.9	0.1	0.00	0.1	0.1	1.5	0.0
157	06-Jun-95	11.8	0.96	9.0	12.4	69.7	45.7	1.1	0.78	0.1	2.1	2.8	0.0
158	07-Jun-95	13.0	0.51	12.1	13.9	82.7	54.7	1.7	0.19	1.5	1.9	4.3	0.0
159	08-Jun-95	13.3	0.29	12.9	13.6	95.9	63.9	2.5	0.62	1.7	3.4	6.8	0.0
160	09-Jun-95	12.5	0.38	12.0	13.2	108.4	72.4	1.5	0.43	0.9	2.1	8.3	0.0
161	10-Jun-95	11.9	1.02	10.6	13.8	120.4	80.4	1.6	0.49	0.9	2.5	9.9	0.0
162	11-Jun-95	12.5	0.77	11.1	13.2	132.8	88.8	2.9	0.48	2.1	3.6	12.8	0.0
163	12-Jun-95	12.5	0.26	12.1	13.0	145.3	97.3	4.1	0.34	3.6	4.6	16.9	0.1
164	13-Jun-95	12.5	0.47	11.7	13.6	157.9	105.9	4.3	0.17	4.0	4.6	21.1	0.3
165	14-Jun-95	12.4	0.92	11.4	14.5	170.2	114.2	4.1	0.10	4.0	4.2	25.3	0.5
166	15-Jun-95	11.6	0.53	10.8	12.4	181.8	121.8	4.2	0.12	4.0	4.4	29.4	0.6
167	16-Jun-95	12.0	0.49	11.2	12.7	193.8	129.8	4.1	0.17	3.8	4.2	33.5	0.7
168	17-Jun-95	12.3	0.40	11.5	12.7	206.0	138.0	3.5	0.37	2.7	4.0	37.0	0.7
169	18-Jun-95	13.1	0.67	12.1	13.9	219.1	147.1	2.3	0.36	1.7	2.7	39.3	0.7
170	19-Jun-95	12.8	1.01	11.4	14.1	231.9	155.9	1.7	0.31	1.1	2.1	41.0	0.7
171	20-Jun-95	10.2	0.67	9.3	11.4	242.1	162.1	1.5	0.12	1.3	1.7	42.5	0.7
172	21-Jun-95	9.1	0.35	8.6	9.8	251.1	167.1	1.4	0.17	1.1	1.7	43.8	0.7
173	22-Jun-95	9.0	0.84	7.7	10.6	260.2	172.2	0.9	0.13	0.7	1.1	44.7	0.7
174	23-Jun-95	11.0	2.04	7.8	13.3	271.1	179.1	1.6	0.84	0.7	3.4	46.4	0.7
176	25-Jun-95	13.6	0.43	12.7	14.2	284.7	188.7	4.9	0.66	3.8	5.8	51.2	1.5
177	26-Jun-95	14.1	0.34	13.6	14.5	298.8	198.8	6.4	0.56	5.4	7.0	57.6	3.9
178	27-Jun-95	14.6	0.56	13.9	15.4	313.3	209.3	7.4	0.51	6.8	8.2	65.0	7.3
179	28-Jun-95	15.1	0.31	14.8	15.7	328.4	220.4	7.4	0.69	6.6	9.1	72.4	10.8
180	29-Jun-95	15.2	0.31	14.7	15.6	343.6	231.6	7.0	0.34	6.4	7.6	79.4	13.7
181	30-Jun-95	15.1	0.38	14.7	15.6	358.7	242.7	7.8	0.71	6.8	8.8	87.3	17.6

Table 9. Temperature data for New Mills station (1).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
182	01-Jul-95	15.3	0.35	14.8	15.7	15.3	11.3	8.7	0.71	7.2	9.9	8.7	4.7
183	02-Jul-95	15.0	0.17	14.8	15.3	30.4	22.4	9.0	0.60	8.0	9.9	17.8	9.8
184	03-Jul-95	15.7	0.54	14.5	16.5	46.1	34.1	8.3	0.75	7.2	9.5	26.1	14.1
185	04-Jul-95	15.7	0.24	15.4	16.3	61.8	45.8	7.6	0.41	6.6	8.0	33.7	17.7
186	05-Jul-95	16.2	0.56	15.3	17.1	78.0	58.0	5.2	0.98	3.8	6.6	38.9	18.9
187	06-Jul-95	17.5	1.01	15.9	19.0	95.4	71.4	3.5	0.30	2.9	4.0	42.5	18.9
188	07-Jul-95	18.8	0.27	18.5	19.3	114.2	86.2	2.6	0.16	2.3	2.9	45.1	18.9
189	08-Jul-95	20.3	0.83	19.3	21.8	134.5	102.5	1.9	0.19	1.7	2.3	47.0	18.9
190	09-Jul-95	21.3	0.34	20.7	21.8	155.8	119.8	1.9	0.19	1.5	2.1	48.9	18.9
191	10-Jul-95	20.0	0.56	19.0	21.0	175.8	135.8	1.9	0.13	1.7	2.1	50.8	18.9
192	11-Jul-95	17.8	0.64	16.9	19.0	193.6	149.6	1.2	0.20	0.9	1.5	52.0	18.9
193	12-Jul-95	18.6	1.43	16.6	20.2	212.2	164.2	1.0	0.26	0.5	1.3	52.9	18.9
194	13-Jul-95	18.7	0.74	16.6	19.4	230.9	178.9	1.2	0.23	0.7	1.5	54.1	18.9
195	14-Jul-95	18.8	0.99	17.3	20.1	249.6	193.6	1.4	0.26	1.1	1.9	55.5	18.9
196	15-Jul-95	17.1	2.03	12.6	19.1	266.7	206.7	1.9	0.28	1.5	2.5	57.4	18.9
197	16-Jul-95	13.0	1.21	11.7	15.6	279.6	215.6	2.1	0.22	1.7	2.5	59.6	18.9
198	17-Jul-95	13.5	1.22	11.2	15.1	293.2	225.2	2.5	0.20	2.3	2.9	62.1	18.9
199	18-Jul-95	13.2	0.43	12.4	13.6	306.4	234.4	4.6	1.20	3.2	6.6	66.7	19.6
200	19-Jul-95	14.5	0.50	13.5	15.1	320.9	244.9	10.5	1.12	7.8	11.5	77.2	26.1
201	20-Jul-95	16.2	0.71	15.0	16.9	337.0	257.0	11.1	0.24	10.7	11.5	88.3	33.2
202	21-Jul-95	17.2	0.40	16.6	17.7	354.2	270.2	12.1	0.50	11.3	12.9	100.5	41.3
203	22-Jul-95	16.2	0.48	15.6	17.4	370.4	282.4	10.4	2.38	6.8	13.1	110.9	47.7
204	23-Jul-95	17.7	0.54	16.5	18.5	388.1	296.1	5.4	0.50	4.8	6.2	116.3	49.1
205	24-Jul-95	17.8	0.35	17.3	18.6	405.9	309.9	4.0	0.26	3.6	4.6	120.3	49.1
206	25-Jul-95	18.3	0.18	18.0	18.6	424.2	324.2	3.2	0.25	2.9	3.6	123.5	49.1
207	26-Jul-95	19.1	0.64	18.2	20.2	443.3	339.3	3.5	0.62	2.5	4.4	127.0	49.1
208	27-Jul-95	18.7	0.52	18.0	19.7	462.0	354.0	4.6	0.25	4.0	5.0	131.6	49.7
209	28-Jul-95	18.5	0.50	17.9	19.7	480.5	368.5	4.6	0.29	4.2	5.2	136.2	50.3
210	29-Jul-95	17.7	1.37	15.3	19.3	498.2	382.2	5.1	0.56	4.2	5.8	141.2	51.4
211	30-Jul-95	17.8	0.23	17.4	18.2	516.1	396.1	6.0	0.61	5.0	7.2	147.2	53.4
212	31-Jul-95	17.9	0.59	17.4	19.0	534.0	410.0	3.4	1.12	2.5	5.8	150.5	53.4
213	01-Aug-95	18.3	0.50	17.7	19.1	18.3	14.3	2.5	0.21	2.1	2.7	2.5	0.0
214	02-Aug-95	18.2	0.50	17.7	19.3	36.5	28.5	2.1	0.26	1.7	2.5	4.6	0.0
215	03-Aug-95	18.7	0.28	18.2	19.1	55.2	43.2	2.2	0.50	1.7	3.2	6.8	0.0
216	04-Aug-95	17.6	0.50	16.6	18.2	72.8	56.8	5.1	1.26	3.2	6.8	11.9	1.1
217	05-Aug-95	18.0	0.48	17.1	18.6	90.9	70.9	10.4	2.27	6.4	13.1	22.3	7.5
218	06-Aug-95	18.3	0.25	17.9	18.6	109.2	85.2	12.9	1.01	11.5	14.3	35.2	16.4
219	07-Aug-95	18.0	0.42	17.3	18.6	127.2	99.2	10.7	1.79	8.0	14.1	45.9	23.1
220	08-Aug-95	17.8	0.29	17.3	18.2	145.0	113.0	7.5	0.68	6.6	9.1	53.4	26.6
221	09-Aug-95	17.7	0.33	17.3	18.2	162.6	126.6	7.7	0.29	7.2	8.2	61.1	30.3
222	10-Aug-95	18.3	0.49	17.7	19.3	180.9	140.9	7.9	0.27	7.4	8.2	68.9	34.2
223	11-Aug-95	18.9	0.39	18.5	19.6	199.8	155.8	8.1	0.23	7.8	8.4	77.1	38.3
224	12-Aug-95	19.4	0.87	17.4	20.4	219.2	171.2	8.2	0.39	7.4	8.6	85.2	42.5
225	13-Aug-95	18.6	0.64	17.3	19.3	237.8	185.8	9.3	0.71	8.4	10.1	94.6	47.8
226	14-Aug-95	18.8	0.50	17.6	19.3	256.6	200.6	10.3	0.17	10.1	10.5	104.9	54.1

Table 9. Temperature data for New Mills station (1).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
227	15-Aug-95	17.6	0.26	17.1	18.0	274.2	214.2
228	16-Aug-95	18.1	0.42	17.3	18.8	292.3	228.3
229	17-Aug-95	18.3	0.05	18.2	18.3	310.5	242.5
230	18-Aug-95	18.3	0.22	18.0	18.5	328.8	256.8
231	19-Aug-95	18.3	0.18	18.0	18.6	347.1	271.1
232	20-Aug-95	18.2	0.34	17.4	18.6	365.2	285.2
233	21-Aug-95	17.7	0.22	17.4	18.2	383.0	299.0
234	22-Aug-95	16.6	0.78	15.3	18.0	399.6	311.6
235	23-Aug-95	15.1	0.61	14.4	16.2	414.6	322.6
236	24-Aug-95	14.7	0.42	14.1	15.6	429.3	333.3
237	25-Aug-95	14.5	0.25	14.1	14.8	443.8	343.8
238	26-Aug-95	14.3	0.11	14.2	14.5	458.2	354.2
239	27-Aug-95	14.6	0.15	14.4	14.8	472.8	364.8
240	28-Aug-95	14.4	0.15	14.2	14.7	487.2	375.2
241	29-Aug-95	14.6	0.25	14.2	15.0	501.8	385.8
242	30-Aug-95	14.8	0.36	14.5	15.7	516.6	396.6
243	31-Aug-95	14.7	0.39	14.2	15.6	531.4	407.4
244	01-Sep-95	14.7	0.12	14.5	14.8	14.7	10.7
245	02-Sep-95	15.0	0.44	14.1	15.4	29.7	21.7
246	03-Sep-95	14.6	0.49	13.6	15.1	44.3	32.3
247	04-Sep-95	14.3	0.35	13.8	14.8	58.5	42.5
248	05-Sep-95	14.7	0.32	14.1	15.1	73.2	53.2
249	06-Sep-95	14.0	0.47	13.2	14.8	87.2	63.2
250	07-Sep-95	12.9	0.38	12.1	13.3	100.1	72.1
251	08-Sep-95	12.3	0.64	11.7	13.3	112.4	80.4
252	09-Sep-95	12.1	0.54	11.2	13.2	124.5	88.5
253	10-Sep-95	11.4	0.19	11.1	11.8	135.9	95.9
254	11-Sep-95	10.8	0.27	10.2	11.2	146.8	102.8
255	12-Sep-95	10.4	0.13	10.3	10.6	157.2	109.2

Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
11.2	0.89	10.3	12.7	116.1	61.4
13.5	0.59	12.9	14.9	129.7	70.9
13.5	0.48	13.1	14.7	143.2	80.4
12.2	0.82	10.1	13.3	155.3	88.5
9.9	1.57	7.0	11.7	165.2	94.4
6.8	0.37	6.0	7.2	172.0	97.2
6.5	1.04	4.8	8.0	178.5	99.7
10.8	1.78	8.4	14.7	189.3	106.6
8.2	0.92	6.0	9.9	197.5	110.8
6.7	0.82	5.4	8.4	204.2	113.4
8.2	1.16	6.8	10.7	212.4	117.6
7.7	0.47	7.0	8.4	220.1	121.3
7.5	0.85	6.4	9.3	227.6	124.8
9.9	0.69	8.8	11.1	237.5	130.7
10.8	0.53	10.1	11.5	248.3	137.5
12.1	0.35	11.5	12.7	260.4	145.7
12.5	0.32	11.9	12.9	272.9	154.1
12.4	0.32	11.9	12.9	12.4	8.4
13.0	0.59	12.1	14.1	25.4	17.4
11.7	1.21	9.1	13.7	37.0	25.0
8.8	0.65	7.8	9.9	45.8	29.8
7.5	0.21	7.2	7.8	53.3	33.3
7.5	0.55	6.6	8.6	60.8	36.8
6.9	0.55	6.2	7.8	67.7	39.7
7.3	0.40	6.8	8.0	75.0	43.0
7.1	0.22	6.8	7.4	82.1	46.1
7.6	0.60	6.8	8.6	89.7	49.7
8.5	0.79	7.4	9.9	98.2	54.2
7.9	0.35	7.6	8.2	106.1	58.1

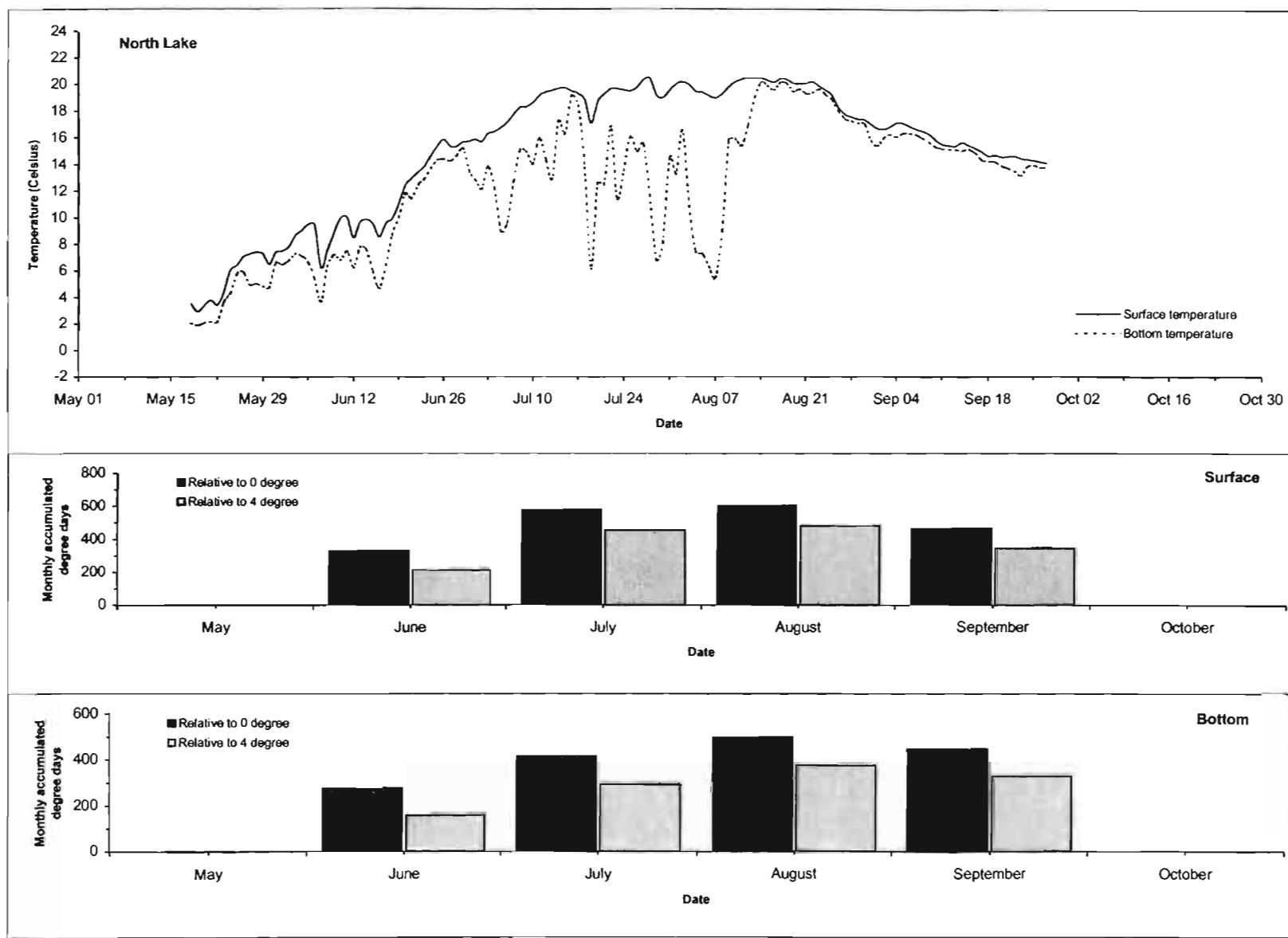


Figure 9. Daily 1995 temperature data and monthly accumulated degree days for North Lake station (25).

Table 10. Temperature data for North Lake station (25).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
138	18-May-95	3.53	0.89	2.9	5.5	3.5	0.0
139	19-May-95	2.91	0.43	2.3	3.8	6.4	0.0
140	20-May-95	3.35	0.40	2.8	4.3	9.8	0.0
141	21-May-95	3.81	0.58	3.0	5.0	13.6	0.0
142	22-May-95	3.43	0.23	3.1	3.8	17.0	0.0
143	23-May-95	4.38	0.70	3.6	5.6	21.4	0.4
144	24-May-95	6.08	0.27	5.4	6.4	27.5	2.5
145	25-May-95	6.41	0.22	6.1	6.7	33.9	4.9
146	26-May-95	7.07	0.50	6.5	7.8	41.0	7.9
147	27-May-95	7.28	0.19	7.1	7.8	48.2	11.2
148	28-May-95	7.40	0.52	6.5	8.1	55.6	14.6
149	29-May-95	7.29	0.30	6.8	7.9	62.9	17.9
150	30-May-95	6.50	0.72	5.0	7.2	69.4	20.4
151	31-May-95	7.38	0.22	7.2	7.8	76.8	23.8
152	01-Jun-95	7.51	0.14	7.3	7.8	7.5	3.5
153	02-Jun-95	7.81	0.51	7.2	8.6	15.3	7.3
154	03-Jun-95	8.67	0.17	8.3	8.9	24.0	12.0
155	04-Jun-95	9.03	0.21	8.7	9.4	33.0	17.0
156	05-Jun-95	9.49	0.23	9.1	10.0	42.5	22.5
157	06-Jun-95	9.50	0.49	8.1	10.0	52.0	28.0
158	07-Jun-95	6.26	1.48	3.9	8.2	58.3	30.3
159	08-Jun-95	7.54	0.72	6.5	8.3	65.8	33.8
160	09-Jun-95	8.85	0.70	7.8	9.8	74.7	38.7
161	10-Jun-95	9.96	0.74	9.1	11.2	84.6	44.6
162	11-Jun-95	10.04	0.48	9.3	10.9	94.7	50.7
163	12-Jun-95	8.51	0.76	7.1	9.4	103.2	55.2
164	13-Jun-95	9.64	0.23	9.0	9.8	112.8	60.8
165	14-Jun-95	9.87	0.32	9.4	10.4	122.7	66.7
166	15-Jun-95	9.56	0.52	8.6	10.4	132.2	72.2
167	16-Jun-95	8.55	0.74	7.1	9.6	140.8	76.8
168	17-Jun-95	9.59	0.38	9.0	10.1	150.4	82.4
169	18-Jun-95	9.91	0.22	9.7	10.3	160.3	88.3
170	19-Jun-95	11.05	0.63	10.3	12.2	171.3	95.3
171	20-Jun-95	12.41	0.34	12.0	12.8	183.7	103.7
172	21-Jun-95	12.93	0.29	12.7	13.4	196.7	112.7
173	22-Jun-95	13.42	0.28	13.0	14.0	210.1	122.1
174	23-Jun-95	13.83	0.36	13.4	14.4	223.9	131.9
175	24-Jun-95	14.65	0.39	14.1	15.1	238.6	142.6
176	25-Jun-95	15.37	0.46	14.8	16.4	253.9	153.9
177	26-Jun-95	15.86	0.28	15.4	16.2	269.8	165.8
178	27-Jun-95	15.34	0.41	14.8	16.2	285.1	177.1
179	28-Jun-95	15.34	0.29	15.0	15.9	300.5	188.5
180	29-Jun-95	15.69	0.08	15.6	15.8	316.2	200.2
181	30-Jun-95	15.75	0.25	15.4	16.2	331.9	211.9

Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
2.04	0.26	1.6	2.3	2.0	0.0
1.88	0.37	1.4	2.5	3.9	0.0
2.04	0.28	1.6	2.5	6.0	0.0
2.16	0.49	1.6	3.1	8.1	0.0
2.13	0.34	1.6	2.7	10.2	0.0
3.63	0.59	2.5	4.7	13.9	0.0
4.33	0.41	3.7	5.1	18.2	0.3
5.76	0.33	5.1	6.2	24.0	2.1
5.93	0.41	4.9	6.4	29.9	4.0
4.96	0.61	3.9	6.0	34.9	5.0
5.03	0.33	4.7	5.5	39.9	6.0
4.83	0.32	4.3	5.5	44.7	6.9
4.73	1.46	2.7	6.6	49.5	7.6
6.60	0.12	6.4	6.8	56.1	10.2
6.47	0.20	6.0	6.6	6.5	2.5
6.78	0.66	5.8	7.8	13.3	5.3
7.30	0.48	6.4	8.0	20.6	8.6
7.13	0.86	5.8	8.0	27.7	11.7
6.68	1.61	4.5	8.6	34.4	14.4
5.43	0.97	3.9	7.0	39.8	15.8
3.68	1.04	2.5	4.9	43.5	15.8
6.31	1.25	4.3	7.6	49.8	18.1
7.22	1.65	3.7	8.8	57.0	21.3
6.82	2.48	3.7	10.3	63.8	24.1
7.49	1.23	4.3	8.8	71.3	27.6
6.24	1.32	4.1	8.0	77.6	29.9
7.78	1.07	5.3	9.0	85.3	33.7
7.60	0.64	6.8	8.8	92.9	37.3
5.97	0.82	4.5	7.2	98.9	39.2
4.69	0.51	3.7	5.8	103.6	39.9
6.40	1.92	4.1	8.8	110.0	42.3
8.68	0.31	8.2	9.0	118.7	47.0
10.00	0.97	8.8	11.5	128.7	53.0
11.80	0.57	10.7	12.3	140.5	60.8
11.43	1.49	8.2	12.3	151.9	68.2
12.45	0.31	12.1	12.9	164.4	76.7
12.93	0.46	12.3	13.6	177.3	85.6
13.70	0.35	13.2	14.4	191.0	95.3
14.32	0.45	13.6	15.0	205.3	105.6
14.42	0.48	13.8	15.2	219.7	116.0
14.27	0.32	13.8	14.6	234.0	126.3
14.62	0.40	13.8	15.2	248.6	136.9
15.18	0.18	14.8	15.4	263.8	148.1
13.53	1.75	9.9	15.4	277.3	157.6

Table 10. Temperature data for North Lake station (25).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
182	01-Jul-95	15.88	0.08	15.8	16.0	15.9	11.9	12.84	2.00	9.9	15.4	12.8	8.8
183	02-Jul-95	15.71	0.17	15.4	16.1	31.6	23.6	12.18	2.96	7.8	15.6	25.0	17.0
184	03-Jul-95	16.33	0.27	16.1	16.7	47.9	35.9	13.86	2.39	9.0	15.6	38.9	26.9
185	04-Jul-95	16.48	0.31	16.1	17.2	64.4	48.4	12.22	2.35	8.8	15.8	51.1	35.1
186	05-Jul-95	16.78	0.32	16.4	17.3	81.2	61.2	8.98	1.10	7.4	11.1	60.1	40.1
187	06-Jul-95	17.17	0.49	16.6	17.8	98.3	74.3	9.66	2.78	7.4	16.2	69.7	45.7
188	07-Jul-95	17.78	0.34	17.4	18.3	116.1	88.1	12.77	3.18	8.0	16.4	82.5	54.5
189	08-Jul-95	18.30	0.34	17.9	18.8	134.4	102.4	15.09	2.61	10.7	17.5	97.6	65.6
190	09-Jul-95	18.33	0.18	18.1	18.6	152.7	116.7	14.97	2.45	9.9	17.3	112.6	76.6
191	10-Jul-95	18.65	0.34	18.3	19.1	171.4	131.4	14.06	2.93	10.3	18.3	126.6	86.6
192	11-Jul-95	19.17	0.27	18.9	19.7	190.6	146.6	16.00	1.81	12.9	18.5	142.6	98.6
193	12-Jul-95	19.43	0.29	19.0	19.8	210.0	162.0	14.47	2.11	10.7	18.1	157.1	109.1
194	13-Jul-95	19.54	0.15	19.3	19.7	229.5	177.5	12.89	2.07	9.9	16.2	170.0	118.0
195	14-Jul-95	19.68	0.31	19.2	20.3	249.2	193.2	17.25	2.51	12.9	19.3	187.2	131.2
196	15-Jul-95	19.74	0.13	19.6	20.1	268.9	208.9	16.31	2.94	11.9	19.5	203.5	143.5
197	16-Jul-95	19.50	0.10	19.4	19.7	288.4	224.4	19.18	0.16	18.9	19.5	222.7	158.7
198	17-Jul-95	19.32	0.10	19.1	19.5	307.8	239.8	18.43	1.01	16.0	19.1	241.2	173.2
199	18-Jul-95	18.83	0.37	17.8	19.1	326.6	254.6	13.79	3.97	8.6	18.7	254.9	182.9
200	19-Jul-95	17.08	0.91	15.8	18.4	343.7	267.7	6.18	1.04	4.7	7.8	261.1	185.1
201	20-Jul-95	18.70	0.51	18.2	19.7	362.4	282.4	12.63	3.60	7.6	18.1	273.7	193.7
202	21-Jul-95	19.28	0.30	19.0	19.8	381.6	297.6	12.54	4.39	7.0	18.7	286.3	202.3
203	22-Jul-95	19.68	0.14	19.4	19.9	401.3	313.3	16.88	3.17	9.9	19.5	303.2	215.2
204	23-Jul-95	19.68	0.11	19.5	19.9	421.0	329.0	11.46	3.88	7.4	17.5	314.6	222.6
205	24-Jul-95	19.58	0.11	19.4	19.8	440.6	344.6	13.53	4.97	7.4	19.1	328.2	232.2
206	25-Jul-95	19.50	0.31	19.0	20.0	460.1	360.1	16.12	3.51	10.5	19.1	344.3	244.3
207	26-Jul-95	19.80	0.32	19.5	20.5	479.9	375.9	14.98	3.19	10.1	19.1	359.3	255.3
208	27-Jul-95	20.35	0.16	20.0	20.5	500.2	392.2	15.58	4.38	10.1	19.9	374.8	266.8
209	28-Jul-95	20.44	0.10	20.2	20.5	520.7	408.7	11.73	4.40	6.6	19.1	386.6	274.6
210	29-Jul-95	19.18	0.83	18.1	20.5	539.9	423.9	6.79	1.17	4.9	9.2	393.4	277.4
211	30-Jul-95	19.02	0.81	17.4	19.7	558.9	438.9	8.14	5.48	3.3	19.3	401.5	281.5
212	31-Jul-95	19.59	0.21	19.4	20.0	578.5	454.5	14.53	3.56	9.2	19.1	416.0	292.0
213	01-Aug-95	20.03	0.37	19.7	20.5	20.0	16.0	13.28	4.92	6.6	19.5	13.3	9.3
214	02-Aug-95	20.19	0.24	19.8	20.5	40.2	32.2	16.58	2.66	11.7	19.9	29.9	21.9
215	03-Aug-95	19.96	0.20	19.7	20.3	60.2	48.2	10.94	4.30	7.4	19.5	40.8	28.8
216	04-Aug-95	19.48	0.15	19.2	19.8	79.7	63.7	7.47	1.96	5.5	12.5	48.3	32.3
217	05-Aug-95	19.42	0.10	19.3	19.6	99.1	79.1	7.32	1.55	6.0	10.7	55.6	35.6
218	06-Aug-95	19.14	0.10	19.0	19.3	118.2	94.2	6.31	1.20	4.3	7.8	61.9	37.9
219	07-Aug-95	18.98	0.34	18.4	19.4	137.2	109.2	5.51	1.01	3.9	7.8	67.4	39.4
220	08-Aug-95	19.33	0.42	18.8	20.3	156.5	124.5	9.05	3.42	4.5	15.8	76.5	44.5
221	09-Aug-95	19.83	0.48	19.3	20.5	176.4	140.4	15.87	3.68	10.1	19.1	92.3	56.3
222	10-Aug-95	20.20	0.16	19.9	20.5	196.6	156.6	15.93	2.87	11.3	19.3	108.3	68.3
223	11-Aug-95	20.38	0.13	20.2	20.5	216.9	172.9	15.43	3.21	9.7	20.5	123.7	79.7
224	12-Aug-95	20.50	0.00	20.5	20.5	237.4	189.4	17.00	2.88	11.3	20.5	140.7	92.7
225	13-Aug-95	20.50	0.00	20.5	20.5	257.9	205.9	19.02	1.98	13.8	20.3	159.7	107.7

Table 10. Temperature data for North Lake station (25).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
226	14-Aug-95	20.47	0.05	20.4	20.5	278.4	222.4	20.17	0.10	20.1	20.3	179.9	123.9
227	15-Aug-95	20.31	0.08	20.2	20.4	298.7	238.7	19.90	0.23	19.5	20.1	199.8	139.8
228	16-Aug-95	20.16	0.19	19.8	20.4	318.9	254.9	19.58	0.49	18.5	20.1	219.3	155.3
229	17-Aug-95	20.44	0.10	20.2	20.5	339.3	271.3	20.15	0.09	20.1	20.3	239.5	171.5
230	18-Aug-95	20.38	0.13	20.1	20.5	359.7	287.7	20.08	0.13	19.9	20.3	259.6	187.6
231	19-Aug-95	20.10	0.12	19.9	20.2	379.8	303.8	19.48	0.71	17.5	19.9	279.1	203.1
232	20-Aug-95	20.09	0.11	19.9	20.2	399.9	319.9	19.68	0.13	19.5	19.9	298.7	218.7
233	21-Aug-95	20.11	0.17	19.9	20.4	420.0	336.0	19.33	0.39	18.5	19.7	318.1	234.1
234	22-Aug-95	20.21	0.03	20.2	20.3	440.2	352.2	19.42	0.57	18.1	19.9	337.5	249.5
235	23-Aug-95	19.90	0.10	19.8	20.1	460.1	368.1	19.67	0.12	19.5	19.9	357.2	265.2
236	24-Aug-95	19.58	0.12	19.4	19.7	479.7	383.7	19.23	0.21	18.9	19.5	376.4	280.4
237	25-Aug-95	19.18	0.19	18.9	19.4	498.9	398.9	18.83	0.21	18.5	19.1	395.2	295.2
238	26-Aug-95	18.25	0.29	17.8	18.7	517.1	413.1	17.97	0.34	17.3	18.5	413.2	309.2
239	27-Aug-95	17.76	0.07	17.7	17.9	534.9	426.9	17.42	0.13	17.1	17.5	430.6	322.6
240	28-Aug-95	17.57	0.08	17.5	17.7	552.4	440.4	17.28	0.06	17.1	17.3	447.9	335.9
241	29-Aug-95	17.41	0.03	17.4	17.5	569.8	453.8	17.13	0.08	17.1	17.3	465.0	349.0
242	30-Aug-95	17.35	0.05	17.3	17.4	587.2	467.2	17.08	0.09	16.8	17.1	482.1	362.1
243	31-Aug-95	17.05	0.12	16.9	17.3	604.2	480.2	15.80	0.69	15.0	17.1	497.9	373.9
244	01-Sep-95	16.71	0.12	16.4	16.8	16.7	12.7	15.43	0.36	15.0	16.4	15.4	11.4
245	02-Sep-95	16.65	0.12	16.4	16.8	33.4	25.4	15.98	0.44	15.2	16.4	31.4	23.4
246	03-Sep-95	16.82	0.26	16.5	17.2	50.2	38.2	16.23	0.29	15.8	16.6	47.7	35.7
247	04-Sep-95	17.13	0.40	16.9	18.1	67.3	51.3	16.07	0.27	15.8	16.6	63.7	47.7
248	05-Sep-95	17.09	0.46	16.6	17.9	84.4	64.4	16.33	0.21	15.8	16.6	80.1	60.1
249	06-Sep-95	16.85	0.09	16.7	17.0	101.2	77.2	16.32	0.37	15.4	16.6	96.4	72.4
250	07-Sep-95	16.65	0.14	16.4	16.8	117.9	89.9	16.25	0.19	15.8	16.4	112.6	84.6
251	08-Sep-95	16.48	0.11	16.3	16.6	134.4	102.4	16.00	0.15	15.8	16.2	128.6	96.6
252	09-Sep-95	16.27	0.08	16.1	16.4	150.6	114.6	15.67	0.39	15.0	16.0	144.3	108.3
253	10-Sep-95	15.82	0.12	15.7	16.1	166.5	126.5	15.32	0.16	15.0	15.6	159.6	119.6
254	11-Sep-95	15.52	0.07	15.4	15.6	182.0	138.0	15.18	0.10	15.0	15.4	174.8	130.8
255	12-Sep-95	15.41	0.08	15.3	15.5	197.4	149.4	15.13	0.10	15.0	15.2	189.9	141.9
256	13-Sep-95	15.38	0.07	15.2	15.5	212.8	160.8	15.10	0.10	15.0	15.2	205.0	153.0
257	14-Sep-95	15.65	0.08	15.5	15.8	228.4	172.4	15.03	0.21	14.8	15.2	220.1	164.1
258	15-Sep-95	15.43	0.10	15.2	15.6	243.8	183.8	15.15	0.09	15.0	15.2	235.2	175.2
259	16-Sep-95	15.23	0.11	15.1	15.4	259.1	195.1	14.85	0.12	14.6	15.0	250.1	186.1
260	17-Sep-95	14.94	0.17	14.6	15.1	274.0	206.0	14.33	0.18	14.0	14.6	264.4	196.4
261	18-Sep-95	14.65	0.10	14.4	14.8	288.7	216.7	14.27	0.10	14.2	14.4	278.7	206.7
262	19-Sep-95	14.70	0.16	14.5	15.0	303.4	227.4	14.22	0.06	14.2	14.4	292.9	216.9
263	20-Sep-95	14.58	0.15	14.3	14.8	317.9	237.9	13.92	0.28	13.6	14.2	306.8	226.8
264	21-Sep-95	14.60	0.13	14.4	14.8	332.5	248.5	13.75	0.21	13.4	14.0	320.5	236.5
265	22-Sep-95	14.63	0.18	14.4	14.9	347.2	259.2	13.50	0.43	12.5	14.0	334.0	246.0
266	23-Sep-95	14.45	0.18	14.1	14.6	361.6	269.6	13.18	0.98	11.3	14.2	347.2	255.2
267	24-Sep-95	14.39	0.10	14.3	14.6	376.0	280.0	13.85	0.15	13.6	14.0	361.1	265.1
268	25-Sep-95	14.33	0.06	14.2	14.4	390.3	290.3	13.95	0.12	13.6	14.0	375.0	275.0
269	26-Sep-95	14.21	0.09	14.0	14.3	404.5	300.5	13.80	0.09	13.6	14.0	388.8	284.8
270	27-Sep-95	14.13	0.05	14.1	14.2	418.7	310.7	13.80	0.00	13.8	13.8	402.6	294.6

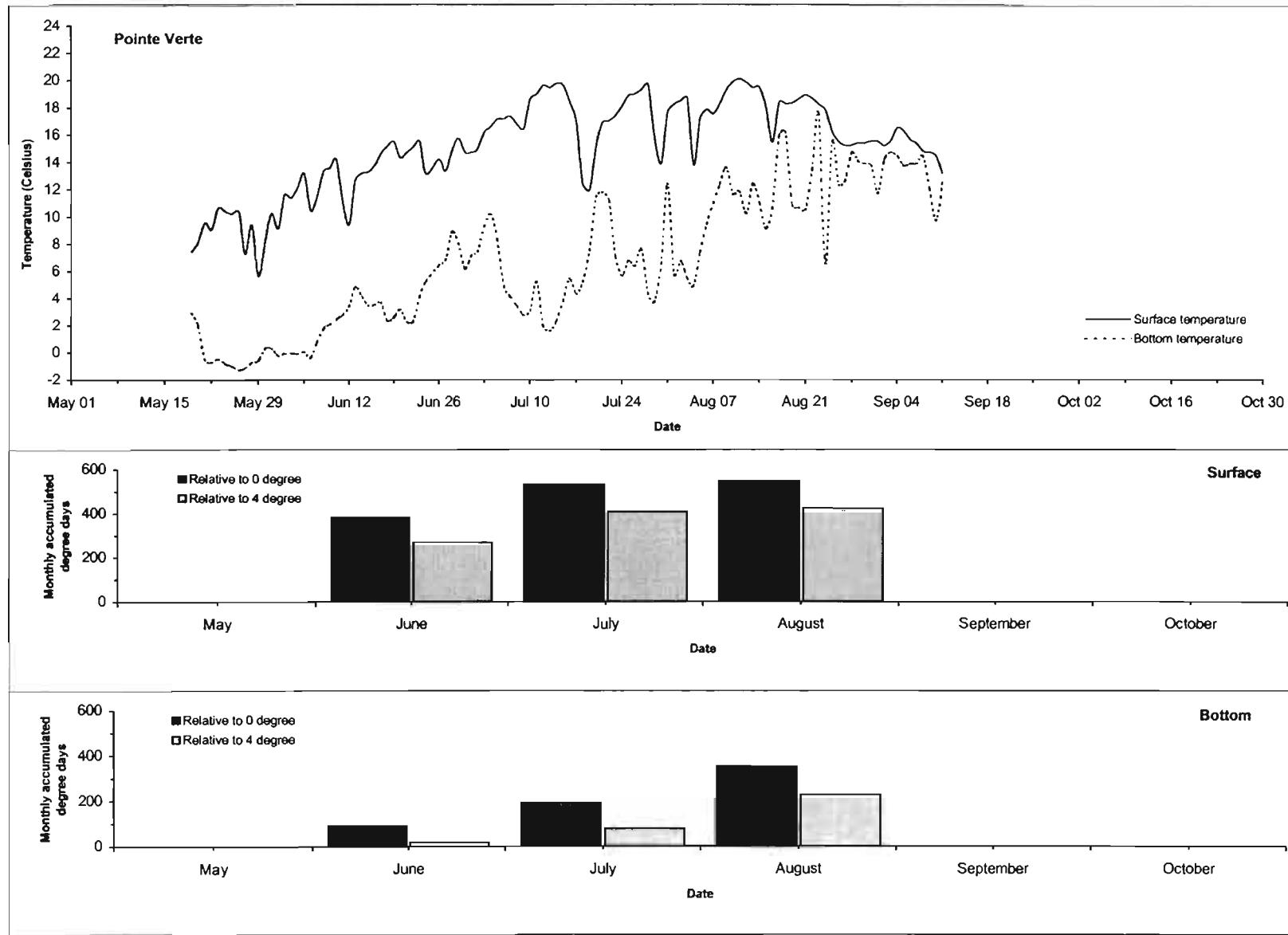


Figure 10. Daily 1995 temperature data and monthly accumulated degree days for Pointe Verte station (2).

Table 11. Temperature data for Pointe Verte station (2).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
139	19-May-95	7.4	0.47	6.8	8.0	7.4	3.4	2.9	1.88	-0.4	4.7	2.9	0.0
140	20-May-95	8.1	0.77	7.1	9.6	15.6	7.6	2.1	2.03	-0.8	5.3	5.0	0.0
141	21-May-95	9.6	0.91	8.4	11.2	25.1	13.1	-0.5	1.06	-1.2	2.3	5.0	0.0
142	22-May-95	9.1	1.10	6.8	10.3	34.2	18.2	-0.7	0.20	-1.0	-0.4	5.0	0.0
143	23-May-95	10.7	0.28	10.0	11.2	44.9	24.9	-0.5	0.30	-1.0	0.0	5.0	0.0
144	24-May-95	10.4	0.15	10.2	10.6	55.3	31.3	-0.8	0.20	-1.2	-0.4	5.0	0.0
145	25-May-95	10.2	0.21	10.0	10.5	65.5	37.5	-1.0	0.22	-1.2	-0.6	5.0	0.0
146	26-May-95	10.4	0.36	10.0	11.1	75.9	43.9	-1.3	0.16	-1.4	-1.0	5.0	0.0
147	27-May-95	7.3	3.53	0.9	10.6	83.2	47.2	-1.2	0.23	-1.4	-0.8	5.0	0.0
148	28-May-95	9.4	1.95	5.4	11.1	92.6	52.6	-0.7	0.50	-1.2	0.2	5.0	0.0
149	29-May-95	5.7	1.77	3.4	10.0	98.3	54.3	-0.6	0.38	-1.2	0.2	5.0	0.0
150	30-May-95	8.2	1.99	4.9	10.5	106.5	58.5	0.3	0.55	-0.6	1.0	5.3	0.0
151	31-May-95	10.3	0.52	9.6	10.8	116.7	64.7	0.3	0.65	-0.6	1.6	5.6	0.0
152	01-Jun-95	9.2	1.47	6.5	11.1	9.2	5.2	-0.2	0.46	-0.8	0.6	0.0	0.0
153	02-Jun-95	11.6	1.29	9.6	13.1	20.8	12.8	-0.1	0.60	-0.8	1.0	0.0	0.0
154	03-Jun-95	11.4	1.71	8.5	13.6	32.2	20.2	0.0	0.36	-0.6	0.6	0.0	0.0
155	04-Jun-95	12.2	0.75	10.5	13.1	44.3	28.3	-0.1	0.51	-0.6	1.0	0.0	0.0
156	05-Jun-95	13.2	0.28	12.8	13.7	57.5	37.5	0.1	0.69	-0.6	1.4	0.1	0.0
157	06-Jun-95	10.5	2.97	5.7	13.1	68.0	44.0	-0.4	0.36	-0.8	0.4	0.1	0.0
158	07-Jun-95	11.4	0.68	9.9	12.4	79.4	51.4	0.8	0.39	0.0	1.4	0.8	0.0
159	08-Jun-95	13.3	0.32	12.7	13.7	92.8	60.8	1.8	1.22	0.4	4.9	2.6	0.0
160	09-Jun-95	13.6	0.34	13.1	14.0	106.4	70.4	2.1	1.16	1.2	5.1	4.7	0.0
161	10-Jun-95	14.2	0.55	13.4	15.2	120.6	80.6	2.5	0.46	1.6	3.1	7.2	0.0
162	11-Jun-95	11.2	0.91	9.6	12.4	131.7	87.7	2.8	0.58	2.1	4.1	10.0	0.0
163	12-Jun-95	9.5	1.52	7.1	11.6	141.2	93.2	3.4	0.53	2.7	4.3	13.4	0.0
164	13-Jun-95	12.7	0.65	11.8	13.4	153.9	101.9	4.9	0.71	4.1	6.6	18.3	0.9
165	14-Jun-95	13.2	0.33	12.7	13.6	167.0	111.0	4.1	0.42	3.7	4.9	22.4	1.0
166	15-Jun-95	13.3	0.47	12.1	13.7	180.3	120.3	3.5	0.55	3.1	4.9	25.9	1.0
167	16-Jun-95	13.8	0.54	13.1	14.5	194.1	130.1	3.5	0.63	2.7	4.5	29.4	1.0
168	17-Jun-95	14.7	0.55	14.0	15.5	208.7	140.7	3.7	0.51	2.9	4.5	33.1	1.0
169	18-Jun-95	15.2	0.53	14.0	16.1	223.9	151.9	2.4	0.86	1.0	3.9	35.4	1.0
170	19-Jun-95	15.5	0.67	14.5	16.4	239.4	163.4	2.6	0.66	1.6	3.5	38.0	1.0
171	20-Jun-95	14.3	0.47	13.6	14.9	253.7	173.7	3.2	0.86	1.8	4.7	41.2	1.0
172	21-Jun-95	14.7	0.18	14.3	14.9	268.4	184.4	2.3	1.56	0.8	6.8	43.5	1.0
173	22-Jun-95	15.1	0.46	14.8	16.4	283.5	195.5	2.3	0.43	1.6	3.1	45.8	1.0
174	23-Jun-95	15.5	0.63	14.8	17.2	299.0	207.0	4.1	1.11	2.1	6.0	49.9	1.1
175	24-Jun-95	13.1	1.02	12.1	15.1	312.2	216.2	5.3	0.92	4.1	6.8	55.2	2.4
177	26-Jun-95	14.2	0.44	13.4	15.1	326.3	226.3	6.4	0.62	5.5	7.4	61.6	4.8
178	27-Jun-95	13.3	1.17	11.2	15.5	339.7	235.7	6.8	0.67	5.8	8.0	68.4	7.6
179	28-Jun-95	14.8	0.56	13.9	15.5	354.5	246.5	8.9	2.22	6.4	14.0	77.3	12.5
180	29-Jun-95	15.8	0.43	15.2	16.3	370.3	258.3	8.1	1.26	6.8	10.7	85.4	16.6
181	30-Jun-95	14.7	1.56	12.1	16.3	385.0	269.0	6.2	1.14	4.3	7.6	91.5	18.7
182	01-Jul-95	14.7	0.98	12.8	16.3	14.7	10.7	7.1	1.14	5.1	8.8	7.1	3.1

Table 11. Temperature data for Pointe Verte station (2).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
183	02-Jul-95	14.9	0.28	14.6	15.5	29.6	21.6	7.5	0.53	6.4	8.2	14.6	6.6
184	03-Jul-95	16.2	0.71	14.6	17.1	45.8	33.8	9.3	1.00	7.6	10.7	23.9	11.9
185	04-Jul-95	16.6	0.57	16.3	17.8	62.4	46.4	10.2	2.32	3.9	12.5	34.1	18.1
186	05-Jul-95	17.1	0.78	16.4	18.9	79.5	59.5	8.3	2.86	2.7	11.9	42.4	22.4
187	06-Jul-95	17.2	0.60	16.3	18.0	96.7	72.7	4.9	1.81	2.3	8.0	47.3	23.3
188	07-Jul-95	17.4	0.81	16.0	18.8	114.1	86.1	4.1	2.06	2.1	9.0	51.4	23.4
189	08-Jul-95	16.8	0.78	15.8	18.4	130.8	98.8	3.4	1.36	0.6	5.5	54.7	23.4
190	09-Jul-95	16.4	0.88	15.5	18.8	147.3	111.3	2.8	1.49	1.2	5.3	57.5	23.4
191	10-Jul-95	18.6	1.01	17.2	20.3	165.9	125.9	3.1	2.04	0.6	8.2	60.6	23.4
192	11-Jul-95	19.0	0.25	18.4	19.2	184.8	140.8	5.2	3.09	1.0	11.9	65.8	24.6
193	12-Jul-95	19.6	0.49	18.9	20.2	204.5	156.5	2.0	1.94	-0.4	4.7	67.8	24.6
194	13-Jul-95	19.5	0.41	18.4	20.0	223.9	171.9	1.6	1.40	0.2	5.3	69.3	24.6
195	14-Jul-95	19.8	0.45	19.1	20.5	243.7	187.7	2.3	0.94	1.2	4.5	71.7	24.6
196	15-Jul-95	19.6	0.27	19.1	19.9	263.3	203.3	3.8	3.62	1.8	15.0	75.5	24.6
197	16-Jul-95	18.4	0.77	17.1	19.4	281.8	217.8	5.5	4.32	2.3	16.4	80.9	26.0
198	17-Jul-95	16.9	1.17	14.6	18.0	298.7	230.7	4.4	1.97	2.1	8.6	85.3	26.4
199	18-Jul-95	12.4	1.06	10.6	14.0	311.1	239.1	5.2	0.90	3.7	6.8	90.4	27.6
200	19-Jul-95	12.0	1.67	10.2	14.6	323.1	247.1	7.5	1.49	5.5	10.3	98.0	31.1
201	20-Jul-95	15.1	0.53	14.5	16.1	338.2	258.2	11.4	1.50	7.8	13.6	109.4	38.6
202	21-Jul-95	16.9	0.72	16.1	18.1	355.0	271.0	11.8	0.54	11.3	13.2	121.2	46.4
203	22-Jul-95	17.0	0.62	16.1	18.1	372.0	284.0	11.2	1.64	7.6	13.8	132.4	53.5
204	23-Jul-95	17.4	0.38	16.8	18.0	389.4	297.4	7.0	1.99	4.7	11.7	139.4	56.6
205	24-Jul-95	18.1	0.31	17.8	18.8	407.5	311.5	5.7	2.01	3.3	9.0	145.1	58.3
206	25-Jul-95	18.9	0.34	18.4	19.7	426.4	326.4	6.8	2.49	2.9	10.5	151.9	61.0
207	26-Jul-95	19.0	0.27	18.4	19.5	445.4	341.4	6.4	1.91	4.1	11.1	158.3	63.4
208	27-Jul-95	19.3	0.36	18.8	19.9	464.6	356.6	7.6	2.87	4.1	12.3	165.9	67.0
209	28-Jul-95	19.7	0.22	19.2	19.9	484.3	372.3	4.4	1.04	2.9	6.6	170.3	67.5
210	29-Jul-95	15.9	3.74	10.0	20.2	500.2	384.2	3.7	1.24	2.3	6.4	174.0	67.5
211	30-Jul-95	13.9	2.18	10.2	17.2	514.1	394.1	6.5	3.09	3.9	13.6	180.5	70.0
212	31-Jul-95	17.6	0.36	17.1	18.1	531.7	407.7	12.4	4.42	3.7	17.1	192.9	78.4
213	01-Aug-95	18.2	0.62	17.4	19.2	18.2	14.2	5.7	5.14	0.8	16.0	5.7	1.7
214	02-Aug-95	18.5	0.35	18.0	19.1	36.7	28.7	6.8	3.20	4.3	14.8	12.5	4.5
215	03-Aug-95	18.7	0.19	18.4	18.9	55.4	43.4	5.5	1.50	4.1	9.5	18.0	6.0
216	04-Aug-95	13.8	2.36	10.3	17.7	69.2	53.2	4.9	0.83	3.9	6.4	22.9	6.9
217	05-Aug-95	17.2	1.23	14.6	18.6	86.3	66.3	7.4	0.80	6.0	9.2	30.3	10.3
218	06-Aug-95	17.9	0.22	17.5	18.3	104.2	80.2	9.5	1.38	7.2	10.9	39.8	15.8
219	07-Aug-95	17.5	0.48	16.8	18.1	121.7	93.7	11.0	1.02	9.9	13.6	50.8	22.8
220	08-Aug-95	18.3	0.54	17.5	18.9	140.0	108.0	12.4	1.26	10.5	14.4	63.2	31.2
221	09-Aug-95	19.3	0.63	18.4	20.2	159.3	123.3	13.6	1.92	10.9	16.8	76.8	40.8
222	10-Aug-95	19.9	0.66	19.2	21.1	179.1	139.1	11.7	1.39	9.9	13.8	88.4	48.4
223	11-Aug-95	20.1	0.55	19.2	20.8	199.2	155.2	11.9	2.17	7.2	15.0	100.3	56.3
224	12-Aug-95	19.8	0.48	18.8	20.6	219.1	171.1	10.2	2.14	7.2	12.9	110.5	62.5
225	13-Aug-95	19.4	0.23	18.9	19.7	238.5	186.5	12.4	4.29	7.2	19.1	123.0	71.0
226	14-Aug-95	19.5	0.21	19.2	19.9	258.0	202.0	11.1	3.67	7.8	19.1	134.0	78.0
227	15-Aug-95	18.0	2.19	14.0	19.7	276.0	216.0	9.1	1.18	7.8	11.7	143.2	83.2

Table 11. Temperature data for Pointe Verte station (2).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
228	16-Aug-95	15.5	1.35	13.9	18.3	291.4	227.4
229	17-Aug-95	18.4	0.13	18.1	18.6	309.8	241.8
230	18-Aug-95	18.3	0.21	18.0	18.6	328.1	256.1
231	19-Aug-95	18.3	0.27	18.0	18.8	346.4	270.4
232	20-Aug-95	18.6	0.43	18.1	19.4	365.1	285.1
233	21-Aug-95	18.9	0.14	18.8	19.2	384.0	300.0
234	22-Aug-95	18.7	0.44	18.0	19.4	402.7	314.7
235	23-Aug-95	18.2	0.26	18.0	18.8	420.9	328.9
236	24-Aug-95	17.8	0.24	17.4	18.0	438.7	342.7
237	25-Aug-95	16.3	0.55	15.8	17.2	455.0	355.0
238	26-Aug-95	15.5	0.21	15.2	16.0	470.5	366.5
239	27-Aug-95	15.2	0.13	15.1	15.5	485.7	377.7
240	28-Aug-95	15.3	0.32	14.9	15.8	501.0	389.0
241	29-Aug-95	15.4	0.08	15.2	15.5	516.4	400.4
242	30-Aug-95	15.4	0.34	14.8	16.1	531.8	411.8
243	31-Aug-95	15.6	0.30	15.2	16.1	547.4	423.4
244	01-Sep-95	15.5	0.26	15.1	15.8	15.5	11.5
245	02-Sep-95	15.2	0.22	15.1	15.7	30.8	22.8
246	03-Sep-95	15.6	0.57	14.9	16.3	46.3	34.3
247	04-Sep-95	16.5	0.46	16.0	17.4	62.9	46.9
248	05-Sep-95	16.3	0.29	15.8	16.8	79.2	59.2
249	06-Sep-95	15.7	0.20	15.5	16.0	94.8	70.8
250	07-Sep-95	15.4	0.23	14.9	15.7	110.2	82.2
251	08-Sep-95	14.8	0.11	14.6	15.1	125.1	93.1
252	09-Sep-95	14.8	0.12	14.5	14.9	139.8	103.8
253	10-Sep-95	14.4	0.66	13.3	15.1	154.3	114.3
254	11-Sep-95	13.1	0.19	12.8	13.4	167.4	123.4

Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
10.6	1.17	8.2	12.3	153.7	89.7
16.0	2.07	11.5	18.1	169.7	101.7
16.2	2.77	9.0	17.9	185.9	113.9
10.8	2.45	7.8	16.8	196.8	120.8
10.7	2.65	7.0	15.4	207.4	127.4
10.5	1.12	8.4	12.5	217.9	133.9
13.4	3.61	7.0	18.1	231.3	143.3
17.6	0.41	16.6	17.9	248.8	156.8
6.6	2.85	2.9	11.1	255.4	159.4
15.5	1.60	11.9	17.1	270.8	170.8
12.4	2.39	9.0	15.4	283.2	179.2
12.7	1.05	11.1	14.8	295.9	187.9
14.7	0.25	14.2	15.0	310.6	198.6
14.1	0.60	12.9	14.6	324.7	208.7
13.9	0.52	12.9	14.6	338.6	218.6
13.8	0.91	11.7	14.8	352.3	228.3
11.7	0.96	10.5	13.2	11.7	7.7
14.2	0.79	12.5	14.8	25.9	17.9
14.8	0.09	14.6	14.8	40.7	28.7
14.5	0.39	13.4	15.0	55.2	39.2
13.8	2.00	8.6	15.6	68.9	48.9
13.9	2.55	8.4	15.4	82.8	58.8
13.9	1.83	8.6	15.2	96.8	68.8
14.5	0.09	14.4	14.6	111.2	79.2
12.0	2.43	7.2	14.4	123.3	87.3
9.7	2.51	6.0	13.4	133.0	93.0
12.6	0.17	12.3	12.7	145.5	101.5

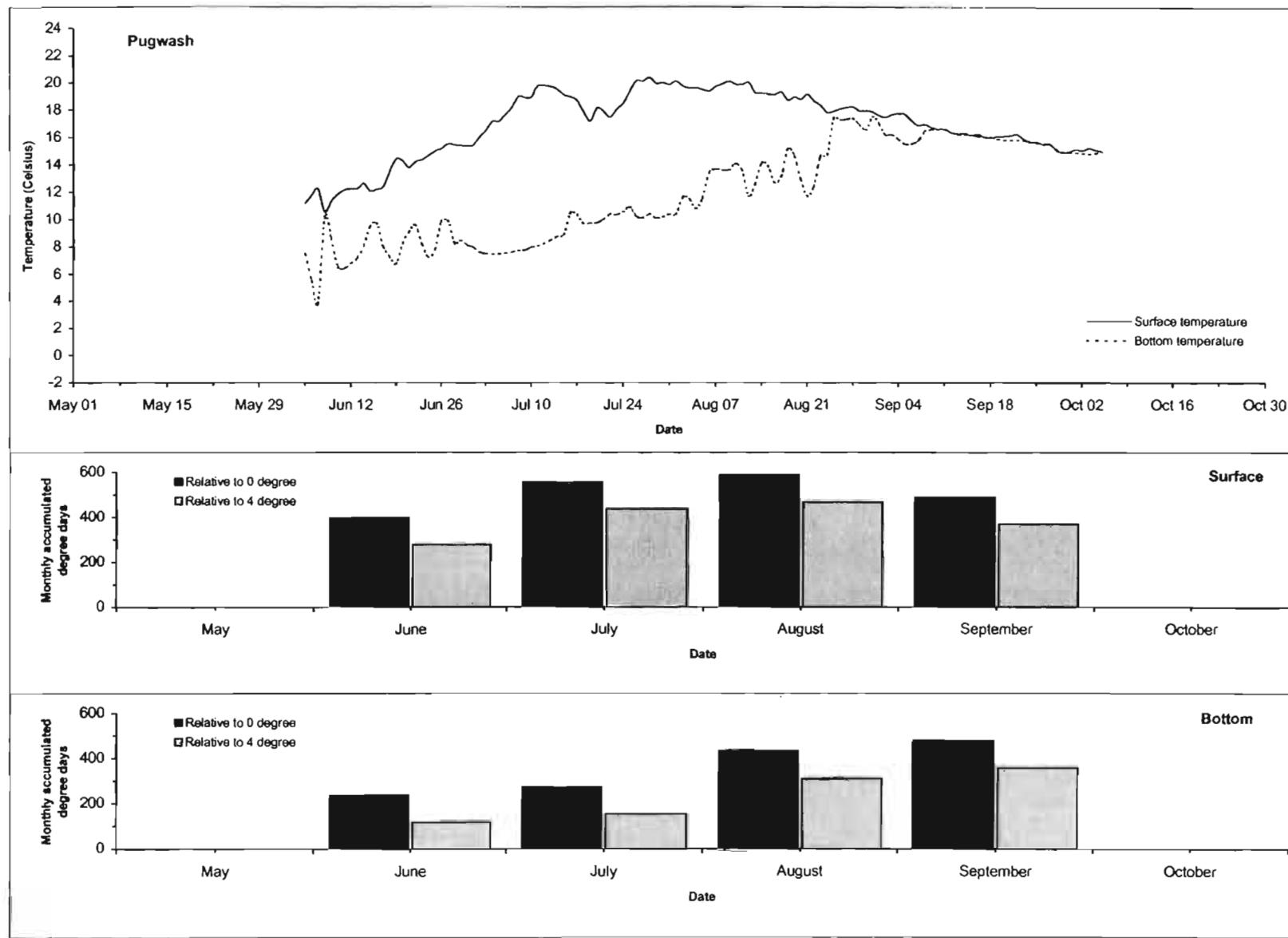


Figure 11. Daily 1995 temperature data and monthly accumulated degree days for Pugwash station (11).

Table 12. Temperature data for Pugwash station (11).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
156	05-Jun-95	11.2	0.11	11.0	11.4	11.2	7.2	7.5	0.21	7.3	7.9	7.5	3.5
157	06-Jun-95	11.8	0.23	11.5	12.2	23.0	15.0	5.5	1.16	4.0	7.2	13.0	5.0
158	07-Jun-95	12.3	0.30	11.4	12.5	35.2	23.2	3.9	0.56	3.6	5.5	16.8	5.0
159	08-Jun-95	10.6	0.17	10.4	10.9	45.8	29.8	10.2	0.77	7.8	10.5	27.0	11.2
160	09-Jun-95	11.4	0.33	10.9	12.0	57.1	37.1	8.7	1.42	6.7	10.4	35.7	15.8
161	10-Jun-95	11.9	0.29	11.3	12.3	69.0	45.0	6.5	0.73	6.0	8.1	42.2	18.4
162	11-Jun-95	12.2	0.17	12.0	12.5	81.1	53.1	6.4	0.22	6.0	6.7	48.6	20.8
163	12-Jun-95	12.3	0.47	11.6	12.9	93.4	61.4	6.8	0.07	6.7	6.9	55.4	23.5
164	13-Jun-95	12.2	0.30	11.9	12.8	105.6	69.6	7.2	0.21	6.9	7.5	62.6	26.8
165	14-Jun-95	12.6	0.38	12.1	13.2	118.2	78.2	8.1	0.23	7.6	8.4	70.7	30.8
166	15-Jun-95	12.1	0.17	11.7	12.3	130.3	86.3	9.5	0.32	8.6	9.7	80.2	36.3
167	16-Jun-95	12.2	0.40	11.7	13.0	142.5	94.5	9.8	0.44	8.8	10.1	89.9	42.1
168	17-Jun-95	12.4	0.31	12.0	13.0	154.9	102.9	8.0	0.38	7.6	9.0	97.9	46.1
169	18-Jun-95	13.5	0.56	12.7	14.2	168.4	112.4	7.3	0.50	6.7	7.9	105.2	49.4
170	19-Jun-95	14.4	0.17	14.2	14.6	182.8	122.8	6.7	0.30	6.5	7.6	112.0	52.1
171	20-Jun-95	14.3	0.43	13.6	14.8	197.1	133.1	8.2	0.77	6.9	9.2	120.2	56.3
172	21-Jun-95	13.8	0.57	13.1	14.9	210.9	142.9	9.1	0.32	8.7	9.9	129.3	61.4
173	22-Jun-95	14.2	0.43	13.6	15.0	225.1	153.1	9.6	0.22	9.2	9.9	138.8	67.0
174	23-Jun-95	14.4	0.42	13.8	15.1	239.5	163.5	8.2	0.72	7.3	10.0	147.0	71.2
175	24-Jun-95	14.7	0.34	14.2	15.1	254.1	174.1	7.3	0.12	7.0	7.4	154.3	74.4
176	25-Jun-95	15.0	0.21	14.7	15.5	269.1	185.1	7.8	0.37	7.3	8.6	162.1	78.3
177	26-Jun-95	15.2	0.19	14.8	15.5	284.3	196.3	9.9	0.43	9.2	10.7	172.0	84.1
178	27-Jun-95	15.5	0.20	15.3	15.8	299.8	207.8	9.9	0.97	8.6	11.2	181.9	90.0
179	28-Jun-95	15.5	0.18	15.2	15.8	315.3	219.3	8.3	0.30	8.0	9.0	190.1	94.3
180	29-Jun-95	15.4	0.09	15.3	15.6	330.7	230.7	8.5	0.35	8.2	9.2	198.6	98.7
181	30-Jun-95	15.4	0.15	15.2	15.7	346.0	242.0	8.1	0.34	7.8	8.7	206.7	102.8
182	01-Jul-95	15.4	0.08	15.3	15.6	15.4	11.4	8.0	0.22	7.7	8.5	8.0	4.0
183	02-Jul-95	16.0	0.12	15.8	16.1	31.4	23.4	7.6	0.26	7.2	7.9	15.6	7.6
184	03-Jul-95	16.5	0.20	16.1	16.8	47.9	35.9	7.5	0.11	7.3	7.7	23.1	11.1
185	04-Jul-95	17.2	0.17	16.9	17.4	65.1	49.1	7.5	0.24	7.3	7.9	30.6	14.6
186	05-Jul-95	17.2	0.45	16.6	17.8	82.3	62.3	7.5	0.07	7.3	7.5	38.1	18.1
187	06-Jul-95	17.7	0.12	17.5	17.8	100.0	76.0	7.5	0.03	7.5	7.6	45.6	21.6
188	07-Jul-95	18.2	0.31	17.8	18.6	118.2	90.2	7.6	0.05	7.5	7.6	53.2	25.2
189	08-Jul-95	19.0	0.11	18.7	19.2	137.1	105.1	7.8	0.07	7.6	7.8	60.9	28.9
190	09-Jul-95	18.9	0.46	18.2	19.4	156.0	120.0	7.7	0.05	7.7	7.8	68.6	32.6
191	10-Jul-95	19.0	0.30	18.6	19.4	175.0	135.0	7.9	0.09	7.8	8.1	76.6	36.6
192	11-Jul-95	19.8	0.20	19.4	20.2	194.8	150.8	8.1	0.05	8.0	8.1	84.7	40.7
194	13-Jul-95	19.7	0.31	19.4	20.2	214.5	166.5	8.5	0.17	8.2	8.7	93.1	45.1
195	14-Jul-95	19.5	0.13	19.4	19.8	234.0	182.0	8.7	0.15	8.5	8.9	101.9	49.9
196	15-Jul-95	19.1	0.31	18.6	19.5	253.2	197.2	8.9	0.16	8.8	9.3	110.7	54.7
197	16-Jul-95	19.0	0.13	18.8	19.2	272.1	212.1	10.5	0.27	9.8	10.7	121.2	61.2
198	17-Jul-95	18.7	0.58	18.1	19.6	290.8	226.8	10.3	0.67	9.4	11.2	131.5	67.5
199	18-Jul-95	17.9	0.14	17.7	18.1	308.7	240.7	9.7	0.14	9.4	9.8	141.2	73.2
200	19-Jul-95	17.2	0.35	16.4	17.7	325.9	253.9	9.7	0.05	9.7	9.8	151.0	79.0

Table 12. Temperature data for Pugwash station (11).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
201	20-Jul-95	18.2	0.19	17.8	18.5	344.1	268.1	9.8	0.10	9.7	10.0	160.7	84.7
202	21-Jul-95	17.9	0.36	17.4	18.5	362.0	282.0	10.0	0.09	9.9	10.2	170.7	90.7
203	22-Jul-95	17.5	0.25	17.1	17.8	379.5	295.5	10.4	0.19	10.2	10.8	181.1	97.1
204	23-Jul-95	18.1	0.19	17.8	18.3	397.5	309.5	10.3	0.09	10.2	10.5	191.4	103.4
205	24-Jul-95	18.5	0.18	18.3	19.0	416.0	324.0	10.6	0.25	10.3	11.1	202.0	110.0
206	25-Jul-95	19.4	0.34	18.8	20.0	435.4	339.4	10.9	0.29	10.4	11.2	212.9	116.9
207	26-Jul-95	20.1	0.23	19.8	20.5	455.5	355.5	10.2	0.38	10.0	11.0	223.1	123.1
208	27-Jul-95	20.1	0.16	19.9	20.4	475.6	371.6	10.1	0.07	10.0	10.3	233.2	129.2
209	28-Jul-95	20.4	0.14	20.1	20.5	496.0	388.0	10.4	0.32	10.1	11.0	243.6	135.6
210	29-Jul-95	20.0	0.27	19.6	20.5	516.0	404.0	10.1	0.04	10.1	10.2	253.7	141.7
211	30-Jul-95	20.0	0.22	19.6	20.2	535.9	419.9	10.2	0.05	10.1	10.2	263.9	147.9
212	31-Jul-95	19.9	0.22	19.6	20.2	555.8	435.8	10.4	0.18	10.2	10.7	274.3	154.3
213	01-Aug-95	20.1	0.13	19.9	20.4	20.1	16.1	10.4	0.16	10.3	10.8	10.4	6.4
214	02-Aug-95	19.7	0.22	19.4	20.1	39.8	31.8	11.6	0.33	11.1	12.0	22.0	14.0
215	03-Aug-95	19.6	0.46	19.0	20.3	59.4	47.4	11.5	0.33	11.0	11.9	33.5	21.5
216	04-Aug-95	19.6	0.14	19.4	19.8	79.1	63.1	10.8	0.09	10.7	10.9	44.3	28.3
217	05-Aug-95	19.5	0.20	19.3	19.8	98.5	78.5	11.6	0.86	10.9	13.2	55.9	35.9
218	06-Aug-95	19.4	0.14	19.2	19.6	117.9	93.9	13.5	0.19	13.3	13.9	69.4	45.4
219	07-Aug-95	19.7	0.25	19.4	20.1	137.6	109.6	13.7	0.15	13.5	13.9	83.1	55.1
220	08-Aug-95	19.9	0.15	19.6	20.0	157.5	125.5	13.6	0.20	13.4	13.9	96.7	64.7
221	09-Aug-95	20.1	0.32	19.5	20.5	177.6	141.6	13.6	0.10	13.5	13.8	110.3	74.3
222	10-Aug-95	18.9	0.38	19.3	20.5	197.5	157.5	14.1	0.12	13.9	14.3	124.4	84.4
223	11-Aug-95	19.9	0.33	19.4	20.3	217.4	173.4	13.6	0.78	12.2	14.7	138.0	94.0
224	12-Aug-95	20.0	0.20	19.6	20.4	237.4	189.4	11.7	0.18	11.5	11.9	149.8	101.8
225	13-Aug-95	19.3	0.38	18.8	20.0	256.6	204.6	12.6	0.71	11.7	13.7	162.3	110.3
226	14-Aug-95	19.2	0.14	19.1	19.4	275.9	219.9	14.1	0.28	13.5	14.4	176.4	120.4
227	15-Aug-95	19.2	0.23	18.9	19.6	295.1	235.1	13.9	0.70	12.6	14.6	190.3	130.3
228	16-Aug-95	19.1	0.12	19.0	19.3	314.2	250.2	12.7	0.12	12.5	12.9	203.0	139.0
229	17-Aug-95	19.3	0.24	18.8	19.5	333.5	265.5	13.2	0.33	12.9	14.0	216.2	148.2
230	18-Aug-95	18.7	0.11	18.6	19.0	352.2	280.2	15.2	0.22	14.8	15.5	231.4	159.4
231	19-Aug-95	19.0	0.37	18.6	19.7	371.2	295.2	14.6	0.39	14.2	15.3	246.0	170.0
232	20-Aug-95	18.8	0.14	18.6	19.1	390.0	310.0	13.0	0.79	11.9	13.9	259.0	179.0
233	21-Aug-95	19.2	0.25	19.0	19.8	409.2	325.2	11.7	0.16	11.5	11.9	270.7	186.7
234	22-Aug-95	18.7	0.22	18.4	19.1	427.9	339.9	12.4	0.92	11.6	14.5	283.1	195.1
235	23-Aug-95	18.4	0.17	18.2	18.7	446.2	354.2	14.6	1.16	13.3	16.1	297.7	205.7
236	24-Aug-95	17.9	0.47	17.0	18.4	464.1	368.1	14.7	1.53	13.3	17.3	312.5	216.5
237	25-Aug-95	17.9	0.34	17.5	18.2	482.0	382.0	17.4	0.16	17.2	17.7	329.9	229.9
238	26-Aug-95	18.1	0.09	17.9	18.2	500.1	396.1	17.3	0.13	17.1	17.4	347.2	243.2
239	27-Aug-95	18.2	0.12	18.0	18.3	518.3	410.3	17.3	0.07	17.2	17.4	364.5	256.5
240	28-Aug-95	18.2	0.22	18.0	18.6	536.5	424.5	17.4	0.06	17.2	17.4	381.9	269.9
241	29-Aug-95	18.0	0.15	17.8	18.2	554.5	438.5	16.9	0.50	16.1	17.4	398.8	282.8
242	30-Aug-95	18.0	0.19	17.8	18.3	572.5	452.5	16.6	0.63	15.9	17.7	415.4	295.4
243	31-Aug-95	17.9	0.09	17.8	18.0	590.4	466.4	17.6	0.19	17.2	17.8	433.0	309.0
244	01-Sep-95	17.6	0.11	17.5	17.8	17.6	13.6	17.0	0.17	16.7	17.2	17.0	13.0

Table 12. Temperature data for Pugwash station (11).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
245	02-Sep-95	17.5	0.13	17.3	17.7	35.1	27.1	16.2	0.14	16.1	16.5	33.2	25.2
246	03-Sep-95	17.7	0.24	17.4	18.1	52.8	40.8	16.2	0.10	16.1	16.4	49.4	37.4
247	04-Sep-95	17.8	0.28	17.4	18.4	70.5	54.5	15.9	0.33	15.5	16.6	65.3	49.3
248	05-Sep-95	17.7	0.28	17.4	18.2	88.2	68.2	15.5	0.14	15.4	15.8	80.8	60.8
249	06-Sep-95	17.2	0.14	17.0	17.4	105.4	81.4	15.5	0.07	15.4	15.6	96.3	72.3
250	07-Sep-95	16.9	0.16	16.7	17.2	122.3	94.3	15.8	0.19	15.4	16.1	112.1	84.1
251	08-Sep-95	17.0	0.19	16.7	17.2	139.3	107.3	16.5	0.12	16.2	16.6	128.6	96.6
252	09-Sep-95	16.7	0.05	16.7	16.8	156.0	120.0	16.6	0.06	16.4	16.6	145.2	109.2
253	10-Sep-95	16.6	0.07	16.5	16.7	172.6	132.6	16.6	0.07	16.5	16.7	161.8	121.8
254	11-Sep-95	16.6	0.15	16.5	16.9	189.3	145.3	16.6	0.10	16.5	16.8	178.4	134.4
255	12-Sep-95	16.4	0.23	16.1	16.7	205.6	157.6	16.4	0.17	16.2	16.6	194.8	146.8
256	13-Sep-95	16.3	0.06	16.2	16.4	221.9	169.9	16.3	0.08	16.2	16.4	211.0	159.0
257	14-Sep-95	16.3	0.09	16.2	16.4	238.2	182.2	16.3	0.05	16.2	16.3	227.3	171.3
258	15-Sep-95	16.2	0.10	16.1	16.4	254.4	194.4	16.2	0.09	16.1	16.3	243.5	183.5
259	16-Sep-95	16.3	0.22	16.0	16.6	270.7	206.7	16.1	0.00	16.1	16.1	259.6	195.6
260	17-Sep-95	16.0	0.08	15.9	16.1	286.7	218.7	16.1	0.05	16.0	16.1	275.6	207.6
261	18-Sep-95	16.0	0.10	15.9	16.1	302.7	230.7	16.0	0.09	15.9	16.1	291.7	219.7
262	19-Sep-95	16.1	0.23	15.9	16.7	318.8	242.8	15.9	0.00	15.9	15.9	307.6	231.6
263	20-Sep-95	16.1	0.16	15.9	16.4	334.9	254.9	15.8	0.05	15.8	15.9	323.4	243.4
264	21-Sep-95	16.2	0.13	16.0	16.4	351.0	267.0	15.8	0.03	15.8	15.9	339.2	255.2
265	22-Sep-95	16.2	0.20	16.1	16.6	367.3	279.3	15.8	0.03	15.8	15.9	355.0	267.0
266	23-Sep-95	15.9	0.16	15.7	16.1	383.2	291.2	15.8	0.07	15.7	15.9	370.8	278.8
267	24-Sep-95	15.7	0.12	15.5	15.9	398.9	302.9	15.7	0.05	15.6	15.7	386.5	290.5
268	25-Sep-95	15.7	0.16	15.5	16.1	414.5	314.5	15.6	0.00	15.6	15.6	402.1	302.1
269	26-Sep-95	15.5	0.07	15.4	15.6	430.0	326.0	15.6	0.05	15.5	15.6	417.6	313.6
270	27-Sep-95	15.5	0.15	15.4	15.9	445.6	337.6	15.5	0.10	15.4	15.6	433.1	325.1
271	28-Sep-95	15.1	0.15	14.9	15.4	460.6	348.6	15.2	0.17	14.9	15.4	448.3	336.3
272	29-Sep-95	14.9	0.13	14.7	15.1	475.5	359.5	14.9	0.08	14.8	15.0	463.2	347.2
273	30-Sep-95	16.0	0.10	14.8	15.1	490.5	370.5	14.9	0.05	14.8	15.0	478.1	358.1
274	01-Oct-95	15.1	0.11	15.0	15.4	15.1	11.1	14.9	0.03	14.8	14.9	14.9	10.9
275	02-Oct-95	15.0	0.11	14.8	15.2	30.2	22.2	14.9	0.05	14.8	14.9	29.8	21.8
276	03-Oct-95	15.2	0.21	15.0	15.7	45.4	33.4	14.8	0.05	14.8	14.9	44.6	32.6
277	04-Oct-95	15.1	0.03	15.0	15.1	60.5	44.5	14.9	0.05	14.8	14.9	59.4	43.4
278	05-Oct-95	15.0	0.09	14.9	15.1	75.5	55.5	14.9	0.05	14.9	15.0	74.4	54.4

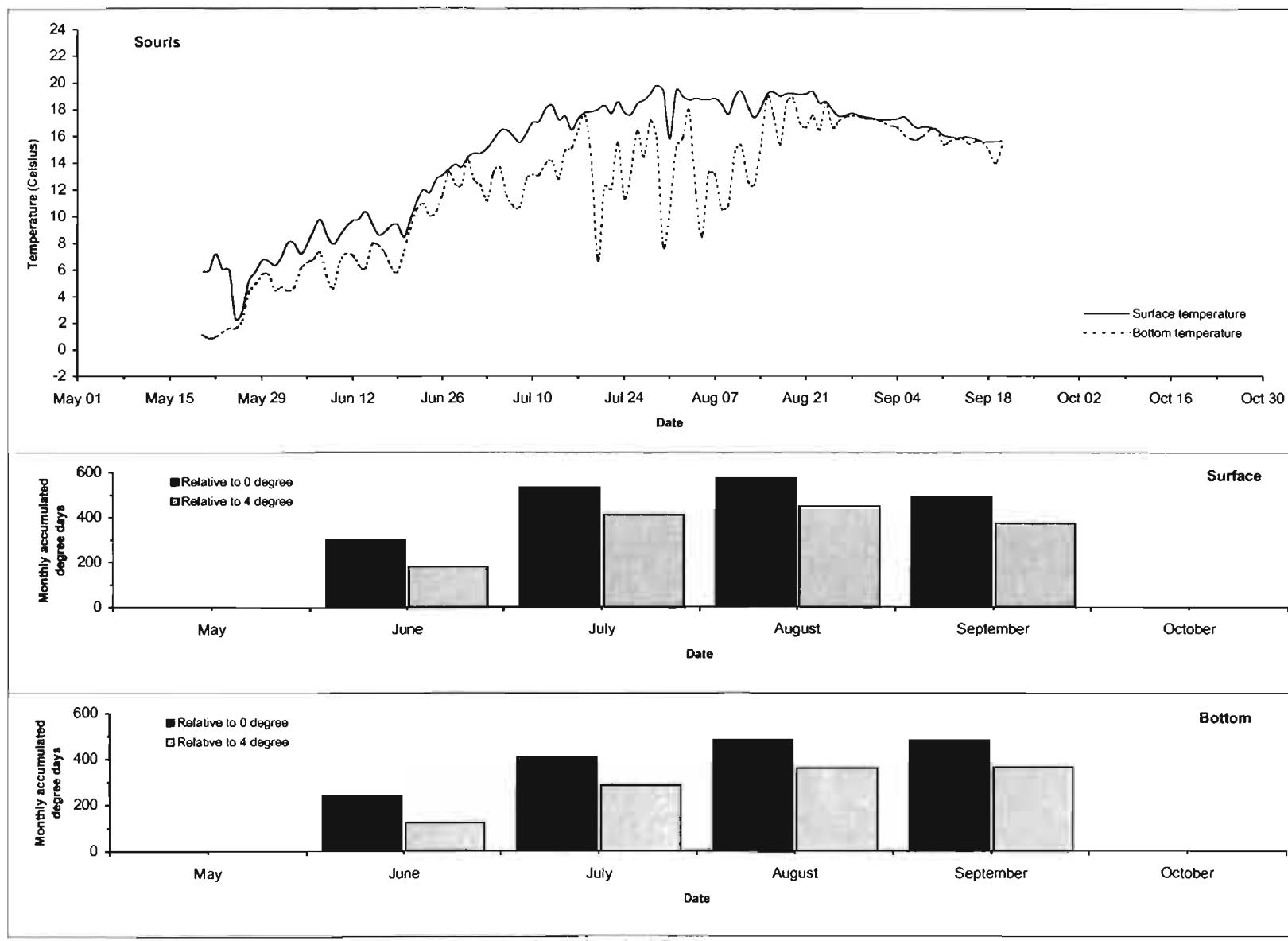


Figure 12. Daily 1995 temperature data and monthly accumulated degree days for Souris station (17).

Table 13. Temperature data for Souris station (17).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
140	20-May-95	5.9	1.04	5.1	8.1	5.9	1.9	1.1	1.52	0.0	4.4	1.1	0.0
141	21-May-95	6.0	0.68	5.2	7.0	11.9	3.9	0.8	0.42	0.3	1.6	1.9	0.0
142	22-May-95	7.2	0.38	6.5	7.7	19.1	7.1	0.9	0.17	0.5	1.1	2.8	0.0
143	23-May-95	6.1	0.85	4.6	7.9	25.2	9.2	1.3	0.19	1.0	1.5	4.1	0.0
144	24-May-95	6.0	0.49	5.3	6.6	31.2	11.2	1.6	0.07	1.5	1.7	5.7	0.0
145	25-May-95	2.3	0.72	1.8	4.4	33.5	11.2	1.6	0.17	1.2	1.8	7.3	0.0
146	26-May-95	2.9	1.22	1.8	5.0	36.4	11.2	2.2	0.64	1.6	3.7	9.5	0.0
147	27-May-95	5.2	0.39	4.8	6.0	41.5	12.3	4.3	0.44	3.8	5.0	13.8	0.3
148	28-May-95	5.9	0.77	5.1	7.6	47.4	14.2	5.0	0.36	4.4	5.5	18.7	1.2
149	29-May-95	6.7	0.40	6.4	7.7	54.2	16.9	5.6	0.45	4.9	6.6	24.4	2.9
150	30-May-95	6.7	0.28	6.0	7.0	60.8	19.6	5.7	1.03	4.2	6.7	30.0	4.6
151	31-May-95	6.3	0.33	5.9	6.8	67.1	21.9	4.5	0.43	3.9	5.2	34.5	5.0
152	01-Jun-95	7.0	0.47	6.5	7.5	7.0	3.0	4.7	0.27	4.4	5.3	4.7	0.7
153	02-Jun-95	8.1	0.67	7.4	9.0	15.0	7.0	4.4	0.09	4.3	4.6	9.2	1.2
154	03-Jun-95	8.0	0.84	6.5	9.0	23.0	11.0	4.7	0.13	4.4	4.8	13.9	1.9
155	04-Jun-95	7.2	0.71	6.4	8.6	30.2	14.2	6.1	0.44	5.3	6.8	20.0	4.0
156	05-Jun-95	7.9	0.54	7.3	9.1	38.1	18.1	6.5	0.15	6.4	6.9	26.5	6.5
157	06-Jun-95	9.0	0.50	8.3	9.7	47.1	23.1	6.8	0.79	6.1	9.0	33.3	9.3
158	07-Jun-95	9.8	0.25	9.5	10.2	56.9	28.9	7.3	1.03	6.1	8.9	40.7	12.7
159	08-Jun-95	8.7	1.76	5.4	10.1	65.6	33.6	5.6	0.95	4.1	7.5	46.2	14.2
160	09-Jun-95	7.9	0.69	6.4	8.9	73.5	37.5	4.6	0.92	3.6	6.7	50.9	14.9
161	10-Jun-95	8.5	0.62	7.2	9.4	82.1	42.1	6.5	0.50	5.5	7.0	57.4	17.4
162	11-Jun-95	9.2	0.69	8.3	10.3	91.2	47.2	7.2	0.60	6.5	8.2	64.6	20.6
163	12-Jun-95	9.7	0.24	9.3	10.0	100.9	52.9	7.1	0.57	6.5	8.1	71.7	23.7
164	13-Jun-95	9.8	0.66	8.8	10.8	110.8	58.8	6.3	0.35	5.8	6.9	78.0	26.0
165	14-Jun-95	10.4	0.69	9.1	11.6	121.2	65.2	6.1	0.42	5.4	7.0	84.1	28.1
166	15-Jun-95	9.5	0.60	8.5	10.4	130.6	70.6	8.0	0.66	6.7	8.6	92.1	32.1
167	16-Jun-95	8.6	0.18	8.3	8.9	139.2	75.2	7.8	0.23	7.5	8.2	99.9	35.9
168	17-Jun-95	8.9	0.36	8.4	9.5	148.1	80.1	7.2	0.60	6.4	8.1	107.2	39.2
169	18-Jun-95	9.3	0.82	8.4	11.2	157.4	85.4	6.2	0.30	5.9	6.8	113.4	41.4
170	19-Jun-95	9.4	1.14	7.3	11.2	166.8	90.8	5.8	0.50	5.1	6.6	119.2	43.2
171	20-Jun-95	8.5	0.60	7.5	9.2	175.3	95.3	7.4	0.60	6.6	8.6	126.6	46.6
172	21-Jun-95	9.7	0.33	9.2	10.5	185.0	101.0	9.0	0.50	8.2	10.0	135.6	51.6
173	22-Jun-95	11.1	0.40	10.3	11.6	196.1	108.1	10.6	0.43	9.8	11.1	146.2	58.2
174	23-Jun-95	12.0	0.57	11.3	13.0	208.2	116.2	11.0	0.23	10.5	11.2	157.1	65.1
175	24-Jun-95	11.8	0.32	11.3	12.2	219.9	123.9	10.1	0.28	9.6	10.5	167.2	71.2
176	25-Jun-95	12.8	0.70	11.9	14.1	232.7	132.7	10.4	0.98	9.3	12.1	177.5	77.5
177	26-Jun-95	13.1	0.28	12.4	13.4	245.8	141.8	11.6	1.27	9.7	13.0	189.2	85.2
178	27-Jun-95	13.5	0.58	13.0	14.3	259.3	151.3	13.3	0.45	12.9	14.0	202.5	94.5
179	28-Jun-95	13.9	0.57	12.9	14.7	273.2	161.2	12.4	0.81	11.4	14.0	214.9	102.9
180	29-Jun-95	13.7	0.62	12.8	14.4	286.9	170.9	12.3	1.42	9.7	14.0	227.2	111.2
181	30-Jun-95	14.4	0.37	14.0	14.9	301.3	181.3	14.3	0.39	13.9	14.8	241.5	121.5
182	01-Jul-95	14.7	0.20	14.5	15.1	14.7	10.7	12.7	0.89	11.3	14.4	12.7	8.7

Table 13. Temperature data for Souris station (17).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
183	02-Jul-95	14.7	0.42	14.3	15.6	29.4	21.4	12.3	1.07	10.1	13.6	25.1	17.1
184	03-Jul-95	15.1	0.35	14.6	15.7	44.5	32.5	11.2	2.08	6.8	13.0	36.3	24.3
185	04-Jul-95	15.7	0.33	15.3	16.4	60.3	44.3	13.3	1.15	11.2	15.2	49.6	33.6
186	05-Jul-95	16.4	0.49	15.8	17.3	76.7	56.7	13.7	1.37	11.6	15.1	63.2	43.2
187	06-Jul-95	16.5	0.45	15.8	17.2	93.2	69.2	11.6	1.69	9.3	14.1	74.8	50.8
188	07-Jul-95	16.0	0.95	13.9	17.0	109.1	81.1	10.8	1.02	9.1	12.9	85.6	57.6
189	08-Jul-95	15.5	0.41	15.0	16.3	124.7	92.7	10.7	0.80	9.2	11.6	96.2	64.2
190	09-Jul-95	16.2	0.50	15.4	16.8	140.8	104.8	12.8	2.03	9.7	15.8	109.0	73.0
191	10-Jul-95	17.0	0.73	15.4	18.1	157.9	117.9	13.2	1.97	9.7	16.1	122.2	82.2
192	11-Jul-95	17.1	0.53	16.3	18.0	174.9	130.9	13.1	1.60	9.6	15.0	135.2	91.2
193	12-Jul-95	18.0	0.65	16.8	19.0	193.0	145.0	13.9	1.55	11.1	16.6	149.2	101.2
194	13-Jul-95	18.3	0.26	17.9	18.7	211.3	159.3	14.1	0.93	13.0	15.9	163.3	111.3
195	14-Jul-95	17.2	0.49	16.5	18.2	228.5	172.5	12.8	0.96	11.2	14.4	176.1	120.1
196	15-Jul-95	17.5	0.46	16.5	18.1	246.0	186.0	14.9	1.66	11.8	16.9	191.1	131.1
197	16-Jul-95	16.4	0.69	15.6	17.5	262.4	198.4	15.1	1.32	12.2	17.0	206.1	142.1
198	17-Jul-95	17.3	0.51	16.8	18.1	279.7	211.7	16.5	0.74	15.1	17.4	222.6	154.6
199	18-Jul-95	17.8	0.07	17.6	17.8	297.5	225.5	17.6	0.19	17.2	17.8	240.2	168.2
200	19-Jul-95	17.8	0.21	17.6	18.3	315.3	239.3	14.0	4.56	6.0	17.7	254.2	178.2
201	20-Jul-95	18.0	0.30	17.6	18.6	333.3	253.3	6.7	0.65	5.8	8.1	260.9	180.9
202	21-Jul-95	18.3	0.17	18.1	18.6	351.6	267.6	12.3	1.23	9.9	14.3	273.2	189.2
203	22-Jul-95	17.7	0.79	16.4	18.7	369.2	281.2	12.0	1.03	9.7	13.5	285.2	197.2
204	23-Jul-95	18.6	0.30	18.0	18.9	387.8	295.8	15.5	2.71	10.2	17.7	300.7	208.7
205	24-Jul-95	17.8	2.14	12.5	19.1	405.6	309.6	11.4	3.41	5.9	17.2	312.1	216.1
206	25-Jul-95	17.6	0.62	16.5	18.3	423.2	323.2	13.3	3.59	6.5	17.2	325.3	225.3
207	26-Jul-95	18.4	0.28	18.0	18.8	441.6	337.6	16.4	2.88	9.8	18.3	341.8	237.8
208	27-Jul-95	18.7	0.41	18.1	19.3	460.2	352.2	14.5	2.74	9.5	17.7	356.2	248.2
209	28-Jul-95	19.1	0.79	17.8	20.2	479.4	367.4	17.2	2.56	9.5	18.8	373.4	261.4
210	29-Jul-95	19.8	0.11	19.6	20.0	499.1	383.1	15.9	2.74	11.0	19.1	389.2	273.2
211	30-Jul-95	19.3	0.95	17.7	20.5	518.4	398.4	7.8	1.96	5.4	11.3	397.1	277.1
212	31-Jul-95	15.8	2.28	12.3	19.1	534.2	410.2	10.3	3.94	5.0	16.4	407.3	283.3
213	01-Aug-95	19.4	0.60	18.7	20.3	19.4	15.4	15.1	2.04	11.6	17.7	15.1	11.1
214	02-Aug-95	19.0	0.52	18.5	19.9	38.4	30.4	15.9	2.00	12.9	18.6	30.9	22.9
215	03-Aug-95	18.7	0.23	18.4	19.1	57.0	45.0	17.9	1.16	15.1	18.8	48.8	36.8
216	04-Aug-95	18.8	0.12	18.6	19.0	75.9	59.9	11.8	4.16	6.7	18.8	60.7	44.7
217	05-Aug-95	18.7	0.12	18.6	19.0	94.6	74.6	8.5	1.45	5.2	10.5	69.1	49.1
218	06-Aug-95	18.7	0.10	18.6	18.9	113.3	89.3	13.3	3.17	10.2	18.5	82.4	58.4
219	07-Aug-95	18.8	0.24	18.2	19.1	132.2	104.2	13.1	4.03	6.6	18.6	95.5	67.5
220	08-Aug-95	18.4	1.26	15.1	19.4	150.5	118.5	10.6	1.99	7.8	14.3	106.1	74.1
221	09-Aug-95	17.6	1.50	14.0	19.4	168.2	132.2	10.8	1.87	7.8	13.6	116.9	80.9
222	10-Aug-95	18.9	1.04	17.3	20.5	187.1	147.1	14.8	2.06	10.0	17.2	131.7	91.7
223	11-Aug-95	19.4	1.00	17.5	20.3	206.5	162.5	15.3	1.78	12.1	18.3	147.0	103.0
224	12-Aug-95	18.2	0.22	17.9	18.7	224.7	176.7	12.7	2.26	10.3	17.4	159.7	111.7
225	13-Aug-95	17.4	0.96	15.7	18.6	242.1	190.1	12.3	2.74	8.4	16.5	172.0	120.0
226	14-Aug-95	18.1	1.81	14.5	19.4	260.2	204.2	15.3	3.78	7.5	19.0	187.3	131.3
227	15-Aug-95	19.2	0.22	18.9	19.4	279.4	219.4	19.0	0.39	18.2	19.4	206.3	146.3

Table 13. Temperature data for Souris station (17).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
228	16-Aug-95	19.3	0.18	19.0	19.5	298.7	234.7	17.5	1.49	14.4	19.3	223.7	159.7
229	17-Aug-95	19.0	0.36	18.5	19.4	317.7	249.7	15.4	1.33	12.3	16.8	239.1	171.1
230	18-Aug-95	19.2	0.20	18.9	19.4	336.8	264.8	18.5	0.46	17.7	19.0	257.6	185.6
231	19-Aug-95	19.2	0.09	19.1	19.3	356.0	280.0	18.9	0.40	17.7	19.1	276.5	200.5
232	20-Aug-95	19.1	0.12	19.0	19.3	375.1	295.1	17.0	1.89	13.7	19.0	293.5	213.5
233	21-Aug-95	19.2	0.40	18.7	19.9	394.3	310.3	16.7	1.72	14.6	18.9	310.1	226.1
234	22-Aug-95	19.4	0.17	19.0	19.6	413.7	325.7	17.6	2.21	12.5	19.0	327.7	239.7
235	23-Aug-95	18.5	0.27	18.0	18.8	432.1	340.1	16.5	2.36	12.0	18.2	344.2	252.2
236	24-Aug-95	18.6	0.12	18.4	18.8	450.7	354.7	18.5	0.18	18.0	18.6	362.7	266.7
237	25-Aug-95	18.0	0.43	17.4	18.4	468.7	368.7	16.7	1.82	13.5	18.3	379.3	279.3
238	26-Aug-95	17.5	0.12	17.3	17.7	486.2	382.2	17.1	0.16	16.9	17.4	396.5	292.5
239	27-Aug-95	17.6	0.18	17.2	17.8	503.8	395.8	17.5	0.13	17.2	17.7	413.9	305.9
240	28-Aug-95	17.7	0.07	17.6	17.8	521.5	409.5	17.5	0.09	17.4	17.7	431.4	319.4
241	29-Aug-95	17.6	0.10	17.4	17.7	539.1	423.1	17.5	0.08	17.4	17.6	448.9	332.9
242	30-Aug-95	17.4	0.05	17.4	17.5	556.5	436.5	17.3	0.11	17.2	17.5	466.3	346.3
243	31-Aug-95	17.4	0.05	17.3	17.4	573.9	449.9	17.3	0.05	17.2	17.4	483.6	359.6
244	01-Sep-95	17.2	0.05	17.2	17.3	17.2	13.2	17.2	0.03	17.2	17.3	17.2	13.2
245	02-Sep-95	17.2	0.08	17.1	17.4	34.5	26.5	17.0	0.53	15.4	17.2	34.2	26.2
246	03-Sep-95	17.2	0.14	17.1	17.5	51.7	39.7	16.8	0.42	15.7	17.1	51.0	39.0
247	04-Sep-95	17.3	0.24	17.0	17.7	69.0	53.0	16.7	0.21	16.2	17.0	67.7	51.7
248	05-Sep-95	17.5	0.30	17.1	17.9	86.5	66.5	16.1	0.31	15.6	16.7	83.8	63.8
249	06-Sep-95	17.0	0.34	16.6	17.5	103.5	79.5	15.8	0.28	15.5	16.3	99.6	75.6
250	07-Sep-95	16.6	0.12	16.4	16.7	120.1	92.1	15.7	1.27	12.0	16.7	115.3	87.3
251	08-Sep-95	16.7	0.22	16.4	17.0	136.8	104.8	16.1	0.57	15.1	16.6	131.4	99.4
252	09-Sep-95	16.7	0.08	16.5	16.8	153.5	117.5	16.5	0.19	16.1	16.7	147.9	111.9
253	10-Sep-95	16.5	0.12	16.3	16.6	170.0	130.0	16.5	0.12	16.2	16.6	164.4	124.4
254	11-Sep-95	16.1	0.09	15.9	16.2	186.1	142.1	15.4	0.96	13.4	16.3	179.8	135.8
255	12-Sep-95	16.0	0.15	15.6	16.1	202.0	154.0	15.7	0.38	14.9	16.1	195.5	147.5
256	13-Sep-95	15.9	0.07	15.8	16.0	217.9	165.9	15.8	0.19	15.3	16.0	211.2	159.2
257	14-Sep-95	16.0	0.12	15.8	16.2	233.9	177.9	15.8	0.20	15.2	15.9	227.1	171.1
258	15-Sep-95	15.9	0.11	15.8	16.1	249.8	189.8	15.5	0.21	15.1	15.7	242.5	182.5
259	16-Sep-95	15.8	0.10	15.6	16.0	265.6	201.6	15.6	0.05	15.6	15.7	258.1	194.1
260	17-Sep-95	15.6	0.08	15.5	15.8	281.2	213.2	15.6	0.11	15.4	15.8	273.7	205.7
261	18-Sep-95	15.6	0.08	15.5	15.7	296.8	224.8	15.0	1.08	13.0	15.7	288.6	216.6
262	19-Sep-95	15.6	0.12	15.4	15.8	312.4	236.4	14.0	1.17	12.0	15.4	302.6	226.6
263	20-Sep-95	15.7	0.14	15.5	15.9	328.1	248.1	15.3	0.37	14.3	15.7	317.9	237.9

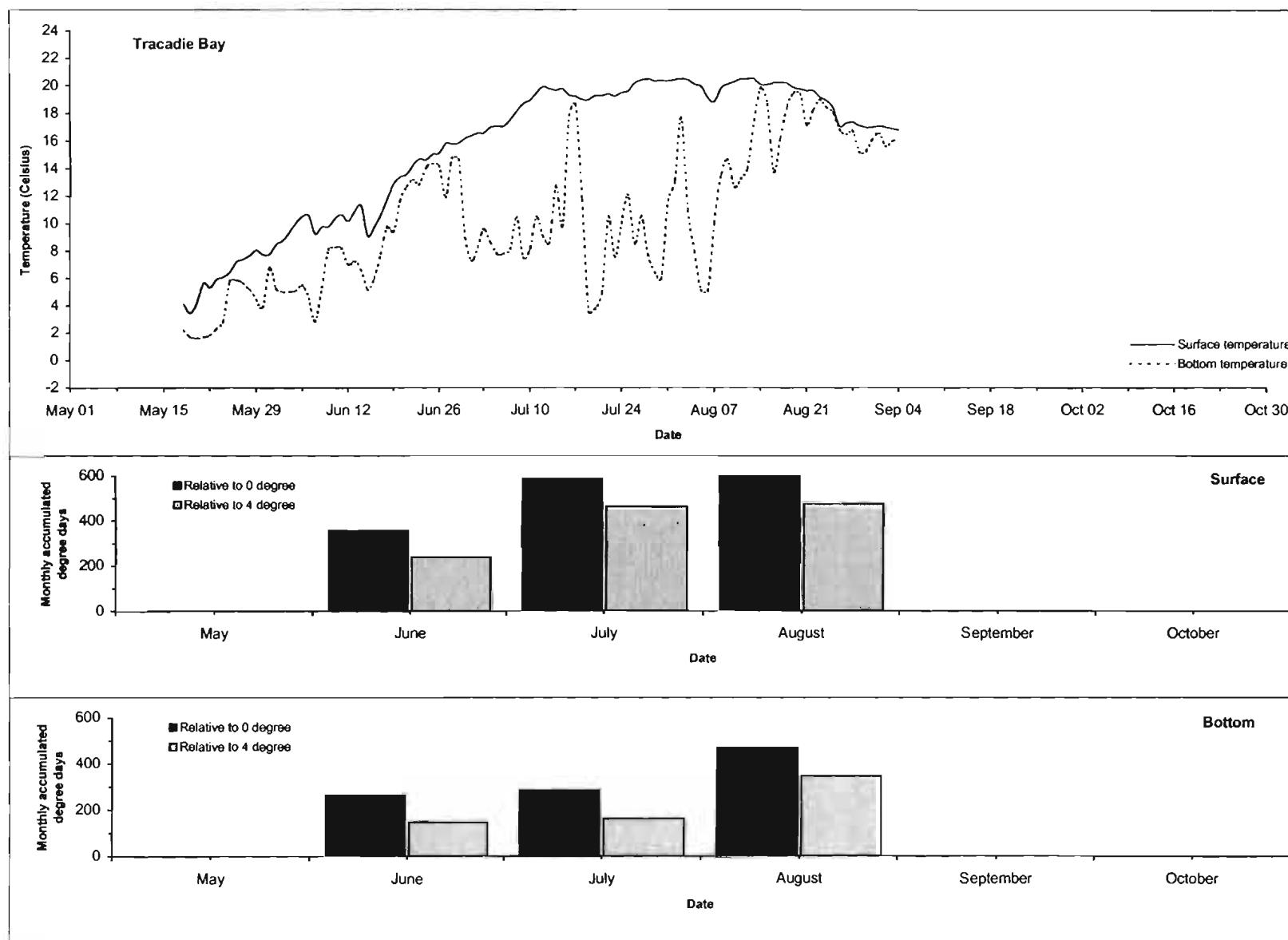


Figure 13. Daily 1995 temperature data and monthly accumulated degree days for Tracadie Bay station (24).

Table 14. Temperature data for Tracadie Bay station (24).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
138	18-May-95	4.1	0.91	2.8	4.8	4.1	0.1	2.2	0.09	2.0	2.3	2.2	0.0
139	19-May-95	3.4	0.58	2.8	4.5	7.6	0.1	1.7	0.16	1.5	2.0	3.9	0.0
140	20-May-95	4.2	0.51	3.6	5.0	11.7	0.3	1.6	0.15	1.4	1.8	5.5	0.0
141	21-May-95	5.7	0.55	4.8	6.5	17.4	1.9	1.7	0.10	1.6	1.8	7.2	0.0
142	22-May-95	5.3	0.86	4.3	6.6	22.7	3.3	1.8	0.10	1.7	2.0	9.1	0.0
143	23-May-95	5.9	0.46	5.4	6.5	28.6	5.2	2.3	0.48	1.9	3.4	11.4	0.0
144	24-May-95	6.1	0.52	5.5	7.4	34.7	7.3	2.9	0.77	2.3	4.9	14.2	0.0
145	25-May-95	6.5	0.16	6.2	6.8	41.2	9.7	5.8	0.42	5.1	6.3	20.1	1.8
146	26-May-95	7.2	0.65	6.5	8.3	48.4	13.0	5.9	0.28	5.4	6.3	25.9	3.7
147	27-May-95	7.4	0.17	7.1	7.7	55.8	16.4	5.7	0.43	4.6	6.0	31.6	5.4
148	28-May-95	7.7	0.63	7.0	8.5	63.5	20.0	5.2	0.51	4.3	5.8	36.8	6.6
149	29-May-95	8.1	0.24	7.7	8.4	71.6	24.1	4.5	0.34	3.8	5.0	41.3	7.0
150	30-May-95	7.8	0.14	7.5	7.9	79.3	27.9	3.9	0.66	3.0	5.6	45.2	7.0
151	31-May-95	7.8	0.25	7.5	8.2	87.1	31.6	6.8	0.62	5.3	7.5	52.0	9.8
152	01-Jun-95	8.5	0.37	8.2	9.3	8.5	4.5	5.2	0.42	4.6	5.9	5.2	1.2
153	02-Jun-95	8.8	0.38	8.3	9.4	17.2	9.2	5.0	0.33	4.5	5.6	10.3	2.3
154	03-Jun-95	9.4	0.25	8.8	9.6	26.6	14.6	5.0	0.33	4.6	5.6	15.3	3.3
155	04-Jun-95	10.0	0.63	9.4	11.3	36.6	20.6	5.1	0.31	4.5	5.6	20.4	4.4
156	05-Jun-95	10.5	0.24	10.3	11.2	47.1	27.1	5.5	0.80	4.8	7.0	25.9	5.9
157	06-Jun-95	10.6	0.33	10.2	11.2	57.7	33.7	4.5	0.42	3.6	5.1	30.4	6.4
158	07-Jun-95	9.3	0.93	7.9	10.2	67.0	39.0	2.9	0.30	2.2	3.5	33.3	6.4
159	08-Jun-95	9.8	0.46	9.1	10.4	76.7	44.7	5.3	2.79	2.2	8.2	38.6	7.7
160	09-Jun-95	9.8	0.37	9.4	10.5	86.5	50.5	8.1	0.74	5.8	8.6	46.7	11.8
161	10-Jun-95	10.3	0.45	9.8	10.9	96.8	56.8	8.3	0.13	8.1	8.5	55.0	16.1
162	11-Jun-95	10.7	0.47	9.8	11.6	107.5	63.5	8.2	0.16	7.9	8.4	63.2	20.3
163	12-Jun-95	10.2	0.37	9.7	10.7	117.7	69.7	7.0	0.32	6.6	7.5	70.2	23.3
164	13-Jun-95	10.9	0.34	10.4	11.4	128.5	76.5	7.3	0.62	6.3	8.1	77.4	26.6
165	14-Jun-95	11.3	0.24	11.1	11.9	139.8	83.8	6.6	0.56	5.8	7.8	84.0	29.2
166	15-Jun-95	9.1	0.53	8.5	10.4	149.0	89.0	5.2	0.50	4.6	6.1	89.2	30.4
167	16-Jun-95	9.7	0.70	9.0	11.1	158.7	94.7	6.0	1.10	4.5	7.3	95.2	32.4
168	17-Jun-95	10.6	0.89	9.4	11.6	169.3	101.3	7.8	0.59	6.7	8.6	103.0	36.2
169	18-Jun-95	11.7	0.82	10.9	13.9	181.0	109.0	9.8	0.27	9.3	10.4	112.8	41.9
170	19-Jun-95	12.9	0.40	12.4	13.5	193.9	117.9	9.4	0.46	8.9	10.1	122.2	47.3
171	20-Jun-95	13.4	0.19	13.1	13.7	207.2	127.2	11.7	0.93	10.2	12.8	133.9	55.0
172	21-Jun-95	13.6	0.31	13.1	13.9	220.8	136.8	12.7	0.54	11.5	13.4	146.5	63.7
173	22-Jun-95	14.3	0.44	13.8	15.1	235.1	147.1	13.2	0.43	12.4	13.7	159.7	72.9
174	23-Jun-95	14.7	0.32	14.1	15.1	249.8	157.8	12.9	0.59	12.0	13.6	172.6	81.7
175	24-Jun-95	14.6	0.47	13.9	15.1	264.4	168.4	14.1	0.27	13.5	14.3	186.7	91.8
176	25-Jun-95	15.0	0.39	14.5	15.5	279.4	179.4	14.4	0.17	14.0	14.6	201.0	102.2
177	26-Jun-95	15.1	0.31	14.7	15.6	294.6	190.6	14.2	0.73	13.0	14.8	215.3	112.4
178	27-Jun-95	15.8	0.41	15.4	16.8	310.4	202.4	11.9	1.32	10.2	14.2	227.2	120.3
179	28-Jun-95	15.8	0.23	15.4	16.2	326.2	214.2	14.8	1.71	10.4	15.7	241.9	131.1
180	29-Jun-95	15.9	0.12	15.7	16.0	342.0	226.0	14.7	1.26	11.9	15.8	256.6	141.7
181	30-Jun-95	16.2	0.20	15.9	16.5	358.2	238.2	8.9	0.97	7.6	10.9	265.5	146.7

Table 14. Temperature data for Tracadie Bay station (24).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
182	01-Jul-95	16.4	0.24	16.0	16.7	16.4	12.4	7.3	0.29	6.7	7.9	7.3	3.3
183	02-Jul-95	16.6	0.07	16.5	16.7	33.0	25.0	8.2	0.57	7.3	9.1	15.6	7.6
184	03-Jul-95	16.6	0.39	16.1	17.1	49.5	37.5	9.6	1.04	8.8	12.7	25.2	13.2
185	04-Jul-95	17.0	0.29	16.6	17.4	66.5	50.5	8.6	0.43	7.9	9.1	33.8	17.8
186	05-Jul-95	17.1	0.39	16.5	17.8	83.6	63.6	7.8	0.24	7.4	8.2	41.5	21.5
187	06-Jul-95	17.1	0.21	16.7	17.3	100.6	76.6	7.8	0.59	7.3	9.4	49.3	25.3
188	07-Jul-95	17.5	0.31	17.1	17.9	118.2	90.2	8.1	0.81	7.4	10.5	57.5	29.5
189	08-Jul-95	18.2	0.33	17.7	18.6	136.3	104.3	10.5	3.85	7.6	17.7	67.9	35.9
190	09-Jul-95	18.7	0.22	18.4	18.9	155.0	119.0	7.5	0.72	6.3	9.1	75.4	39.4
191	10-Jul-95	19.0	0.18	18.7	19.3	174.0	134.0	8.1	0.63	7.0	9.2	83.6	43.6
192	11-Jul-95	19.5	0.53	18.9	20.3	193.4	149.4	10.5	2.11	8.4	15.6	94.1	50.1
193	12-Jul-95	19.9	0.41	19.4	20.5	213.4	165.4	9.1	0.40	8.4	9.7	103.1	55.1
194	13-Jul-95	19.8	0.24	19.5	20.3	233.1	181.1	8.6	0.81	7.5	10.5	111.7	59.7
195	14-Jul-95	19.7	0.42	19.2	20.3	252.8	196.8	12.8	4.40	8.2	19.0	124.5	68.5
196	15-Jul-95	19.8	0.11	19.6	19.9	272.5	212.5	9.8	1.51	8.2	13.2	134.3	74.3
197	16-Jul-95	19.3	0.17	19.0	19.6	291.8	227.8	17.8	2.83	9.0	19.1	152.1	88.1
198	17-Jul-95	19.2	0.27	18.9	19.7	311.0	243.0	18.6	0.08	18.5	18.7	170.7	102.7
199	18-Jul-95	19.0	0.04	18.9	19.0	330.0	258.0	11.7	5.19	4.8	18.4	182.5	110.5
200	19-Jul-95	19.0	0.22	18.6	19.3	349.0	273.0	3.5	0.45	3.1	4.5	186.0	110.5
201	20-Jul-95	19.3	0.34	18.9	19.8	368.3	288.3	3.7	0.36	3.2	4.2	189.7	110.5
202	21-Jul-95	19.3	0.14	19.1	19.4	387.5	303.5	4.9	0.98	3.7	6.4	194.6	111.3
203	22-Jul-95	19.4	0.17	19.2	19.8	406.9	318.9	10.5	4.06	6.1	18.5	205.1	117.8
204	23-Jul-95	19.2	0.13	19.1	19.4	426.2	334.2	7.6	0.95	6.1	9.4	212.6	121.4
205	24-Jul-95	19.5	0.14	19.3	19.7	445.7	349.7	10.0	6.12	5.6	18.8	222.6	127.4
206	25-Jul-95	19.6	0.42	19.0	20.4	465.2	365.2	12.1	3.42	7.9	18.1	234.7	135.5
207	26-Jul-95	20.2	0.34	19.7	20.5	485.4	381.4	8.5	0.89	6.9	9.9	243.3	140.0
208	27-Jul-95	20.4	0.11	20.2	20.5	505.8	397.8	10.8	4.45	7.7	20.1	253.8	146.6
209	28-Jul-95	20.5	0.05	20.4	20.5	526.3	414.3	7.7	0.50	7.1	8.8	261.5	150.3
210	29-Jul-95	20.3	0.21	19.9	20.5	546.6	430.6	6.4	1.01	5.1	8.3	268.0	152.7
211	30-Jul-95	20.4	0.16	20.1	20.5	567.0	447.0	6.0	1.08	4.9	8.3	273.9	154.7
212	31-Jul-95	20.3	0.13	20.2	20.5	587.3	463.3	11.6	4.07	7.7	19.6	285.6	162.3
213	01-Aug-95	20.4	0.11	20.2	20.5	20.4	16.4	13.0	4.01	7.2	19.8	13.0	9.0
214	02-Aug-95	20.5	0.00	20.5	20.5	40.9	32.9	17.7	3.13	12.0	20.3	30.7	22.7
215	03-Aug-95	20.4	0.13	20.2	20.5	61.3	49.3	11.0	1.94	9.0	14.8	41.6	29.6
216	04-Aug-95	20.1	0.12	19.9	20.3	81.4	65.4	8.0	1.64	5.6	10.9	49.6	33.6
217	05-Aug-95	19.9	0.12	19.8	20.2	101.3	81.3	5.1	0.87	3.8	6.8	54.7	34.7
218	06-Aug-95	19.1	0.52	18.1	19.7	120.4	96.4	5.1	0.89	4.2	6.8	59.8	35.8
219	07-Aug-95	18.9	0.83	17.8	19.9	139.3	111.3	10.1	4.58	5.7	17.2	69.9	41.9
220	08-Aug-95	19.8	0.42	19.4	20.5	159.1	127.1	13.6	4.01	8.8	18.9	83.5	51.5
221	09-Aug-95	20.1	0.43	19.6	20.5	179.2	143.2	14.7	3.92	9.9	19.0	98.2	62.2
222	10-Aug-95	20.3	0.32	19.8	20.5	199.5	159.5	12.7	4.44	7.5	18.5	110.8	70.8
223	11-Aug-95	20.5	0.00	20.5	20.5	220.0	176.0	13.3	2.86	9.8	17.5	124.1	80.1
224	12-Aug-95	20.5	0.00	20.5	20.5	240.5	192.5	14.0	4.76	9.5	20.3	138.1	90.1
225	13-Aug-95	20.5	0.08	20.3	20.5	261.0	209.0	17.5	4.18	9.9	20.4	155.6	103.6

Table 14. Temperature data for Tracadie Bay station (24).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
226	14-Aug-95	20.1	0.11	19.9	20.3	281.0	225.0	19.8	0.12	19.6	20.1	175.4	119.4
227	15-Aug-95	20.1	0.18	19.9	20.4	301.2	241.2	18.7	1.12	17.2	19.7	194.1	134.1
228	16-Aug-95	20.2	0.09	20.0	20.3	321.3	257.3	13.8	2.32	10.3	17.0	207.8	143.8
229	17-Aug-95	20.2	0.07	20.2	20.4	341.6	273.6	16.2	2.73	10.5	19.8	224.1	156.1
230	18-Aug-95	20.2	0.07	20.0	20.2	361.7	289.7	18.5	2.50	12.4	19.8	242.6	170.6
231	19-Aug-95	19.9	0.06	19.8	20.0	381.6	305.6	19.5	0.12	19.3	19.7	262.1	186.1
232	20-Aug-95	19.8	0.12	19.6	19.9	401.4	321.4	19.4	0.18	19.1	19.6	281.5	201.5
233	21-Aug-95	19.7	0.22	19.4	19.9	421.0	337.0	17.1	2.21	13.1	19.0	298.7	214.7
234	22-Aug-95	19.6	0.08	19.5	19.8	440.7	352.7	18.3	2.13	13.0	19.4	317.0	229.0
235	23-Aug-95	19.2	0.08	19.1	19.4	459.9	367.9	19.0	0.04	18.9	19.1	336.0	244.0
236	24-Aug-95	19.0	0.09	18.8	19.1	478.8	382.8	18.4	0.24	18.1	18.9	354.4	258.4
237	25-Aug-95	18.4	0.30	17.8	18.8	497.2	397.2	18.1	0.28	17.5	18.5	372.5	272.5
238	26-Aug-95	17.1	0.23	16.7	17.4	514.3	410.3	16.8	0.22	16.5	17.1	389.3	285.3
239	27-Aug-95	17.3	0.09	17.2	17.4	531.6	423.6	16.5	0.23	16.1	16.7	405.8	297.8
240	28-Aug-95	17.4	0.21	17.1	17.7	549.0	437.0	16.7	0.08	16.6	16.8	422.5	310.5
241	29-Aug-95	17.1	0.06	17.0	17.2	566.1	450.1	15.2	0.47	15.0	16.7	437.7	321.7
242	30-Aug-95	17.0	0.06	16.9	17.1	583.1	463.1	15.3	0.37	15.1	16.4	453.0	333.0
243	31-Aug-95	17.0	0.08	16.9	17.1	600.1	476.1	16.1	0.81	16.1	16.9	469.1	345.1
244	01-Sep-95	17.1	0.08	17.0	17.2	17.1	13.1	16.6	0.23	16.1	16.8	16.6	12.6
245	02-Sep-95	17.0	0.16	16.7	17.2	34.1	26.1	15.6	0.41	15.0	16.1	32.2	24.2
246	03-Sep-95	16.9	0.28	16.6	17.3	51.0	39.0	16.0	0.11	15.8	16.1	48.2	36.2
247	04-Sep-95	16.8	0.16	16.7	17.1	67.8	51.8	16.1	0.29	15.8	16.6	64.3	48.3

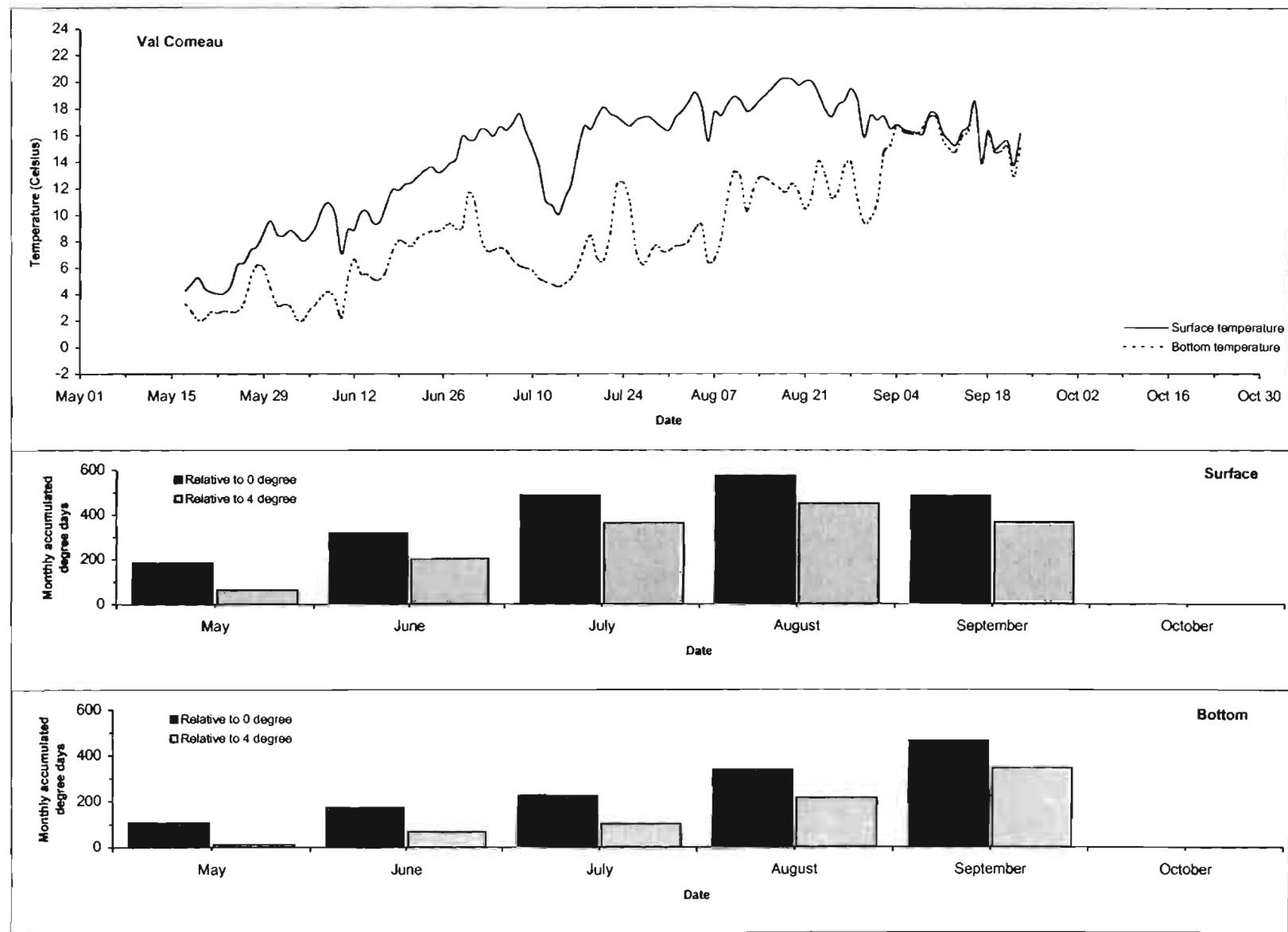


Figure 14. Daily 1995 temperature data and monthly accumulated degree days for Val Comeau station (6).

Table 15. Temperature data for Val Comeau station (6).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
137	17-May-95	4.3	1.69	2.3	7.4	4.3	0.3	3.3	0.15	3.1	3.5	3.3	0.0
138	18-May-95	4.8	0.30	4.3	5.1	9.1	1.1	2.7	0.34	2.3	3.2	6.0	0.0
139	19-May-95	5.3	0.58	4.4	6.0	14.4	2.4	2.1	0.09	2.0	2.3	8.0	0.0
140	20-May-95	4.5	0.38	3.9	5.2	18.8	2.8	2.2	0.14	2.0	2.4	10.2	0.0
141	21-May-95	4.2	0.56	3.3	4.9	23.0	3.0	2.7	0.15	2.4	2.9	12.9	0.0
142	22-May-95	4.1	0.60	3.5	5.8	27.1	3.1	2.6	0.18	2.3	2.8	15.5	0.0
143	23-May-95	4.1	0.23	3.6	4.4	31.2	3.2	2.8	0.14	2.5	2.9	18.2	0.0
144	24-May-95	4.7	0.67	3.9	5.8	35.9	3.9	2.7	0.09	2.6	2.8	20.9	0.0
145	25-May-95	6.3	1.13	4.8	7.7	42.1	6.1	2.7	0.09	2.6	2.8	23.6	0.0
146	26-May-95	6.4	0.54	5.9	7.3	48.6	8.6	3.4	0.67	2.8	5.1	27.0	0.0
147	27-May-95	7.3	0.24	7.0	7.9	55.9	11.9	5.3	0.28	4.9	5.9	32.3	1.3
148	28-May-95	7.7	0.32	7.1	8.2	63.6	15.6	6.2	0.12	6.1	6.5	38.6	3.5
149	29-May-95	8.7	0.65	8.0	10.1	72.3	20.3	6.0	0.76	5.2	7.0	44.6	5.5
150	30-May-95	9.6	0.45	9.1	10.4	81.9	25.9	4.5	0.41	3.9	5.1	49.0	6.0
151	31-May-95	8.6	0.56	8.0	9.4	90.4	30.4	3.2	0.23	3.0	3.7	52.2	6.0
152	01-Jun-95	8.5	0.16	8.2	8.8	8.5	4.5	3.3	0.07	3.1	3.3	3.3	0.0
153	02-Jun-95	8.9	0.41	8.3	9.7	17.3	9.3	3.1	0.18	2.8	3.3	6.3	0.0
154	03-Jun-95	8.5	0.96	6.5	9.3	25.8	13.8	2.1	0.28	1.8	2.6	8.5	0.0
155	04-Jun-95	8.0	1.41	6.3	9.7	33.9	17.9	2.1	0.16	1.9	2.4	10.5	0.0
156	05-Jun-95	8.4	1.06	6.8	9.7	42.3	22.3	2.8	0.18	2.5	3.1	13.4	0.0
157	06-Jun-95	9.2	0.25	8.7	9.6	51.5	27.5	3.3	0.20	3.1	3.7	16.7	0.0
158	07-Jun-95	10.5	0.73	9.3	11.1	62.0	34.0	3.9	0.29	3.4	4.2	20.6	0.0
159	08-Jun-95	10.9	0.22	10.7	11.4	72.9	40.9	4.3	0.05	4.2	4.3	24.9	0.3
160	09-Jun-95	10.1	1.56	6.5	11.4	83.0	47.0	3.7	0.45	3.0	4.2	28.5	0.3
161	10-Jun-95	7.1	1.13	6.0	9.5	90.1	50.1	2.3	0.56	1.7	3.5	30.8	0.3
162	11-Jun-95	8.9	0.63	7.9	9.6	99.0	55.0	5.3	0.59	4.1	6.0	36.1	1.5
163	12-Jun-95	8.9	0.37	8.2	9.3	107.9	59.9	6.7	0.25	6.4	7.2	42.7	4.2
164	13-Jun-95	10.2	0.67	9.0	11.1	118.0	66.0	5.6	0.43	5.2	6.4	48.3	5.8
165	14-Jun-95	10.3	0.21	10.0	10.7	128.3	72.3	5.6	0.15	5.3	5.8	53.9	7.3
166	15-Jun-95	9.4	0.30	9.1	10.0	137.7	77.7	5.2	0.37	4.8	5.8	59.1	8.5
167	16-Jun-95	9.5	0.28	9.0	10.0	147.2	83.2	5.1	0.17	4.8	5.4	64.2	9.7
168	17-Jun-95	10.7	0.62	9.7	11.5	157.9	89.9	5.8	0.39	5.3	6.5	70.0	11.5
169	18-Jun-95	11.9	0.17	11.6	12.2	169.9	97.9	7.3	0.41	6.4	7.9	77.3	14.7
170	19-Jun-95	11.9	0.33	11.5	12.6	181.7	105.7	8.1	0.12	7.9	8.3	85.4	18.8
171	20-Jun-95	12.3	0.20	12.0	12.6	194.0	114.0	7.9	0.21	7.5	8.2	93.3	22.8
172	21-Jun-95	12.5	0.28	12.0	12.9	206.5	122.5	7.6	0.33	7.0	8.1	100.9	26.4
173	22-Jun-95	12.9	0.66	11.8	14.1	219.4	131.4	8.3	0.14	8.1	8.5	109.2	30.7
175	24-Jun-95	13.6	0.39	13.1	14.2	233.0	141.0	8.8	0.31	8.4	9.2	118.0	35.4
176	25-Jun-95	13.2	0.12	13.0	13.4	246.3	150.3	8.8	0.18	8.6	9.1	126.7	40.2
177	26-Jun-95	13.4	0.38	12.9	13.9	259.7	159.7	9.0	0.22	8.7	9.4	135.7	45.2
178	27-Jun-95	13.9	0.47	13.3	14.4	273.6	169.6	9.4	0.26	9.0	9.7	145.1	50.6
179	28-Jun-95	14.2	0.35	13.5	14.6	287.8	179.8	9.0	0.30	8.2	9.4	154.1	55.5
180	29-Jun-95	15.9	1.06	14.4	17.3	303.7	191.7	9.1	0.76	8.2	10.5	163.1	60.6
181	30-Jun-95	15.7	0.50	15.2	16.5	319.4	203.4	11.7	1.02	10.3	13.1	174.9	68.3

Table 15. Temperature data for Val Comeau station (6).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
182	01-Jul-95	15.7	0.50	14.9	16.4	15.7	11.7	11.0	0.97	9.6	12.3	11.0	7.0
183	02-Jul-95	16.5	0.48	15.9	17.4	32.1	24.1	8.5	0.66	7.6	9.4	19.6	11.6
184	03-Jul-95	16.4	0.26	15.9	16.9	48.5	36.5	7.3	0.19	7.1	7.6	26.9	14.9
185	04-Jul-95	15.9	0.16	15.8	16.4	64.5	48.5	7.4	0.20	7.1	7.7	34.2	18.2
186	05-Jul-95	16.6	0.23	16.3	17.1	81.1	61.1	7.5	0.12	7.3	7.7	41.8	21.8
187	06-Jul-95	16.4	0.17	16.2	16.6	97.5	73.5	7.3	0.13	7.0	7.5	49.1	25.1
188	07-Jul-95	16.9	0.18	16.4	17.1	114.4	86.4	6.6	0.16	6.5	7.0	55.7	27.7
189	08-Jul-95	17.6	0.41	16.8	18.1	132.0	100.0	6.2	0.17	6.0	6.5	61.9	29.9
190	09-Jul-95	16.3	1.15	13.9	17.5	148.2	112.2	6.0	0.10	5.9	6.1	67.9	31.9
191	10-Jul-95	15.1	1.08	13.3	16.6	163.3	123.3	5.8	0.11	5.6	6.0	73.7	33.7
192	11-Jul-95	13.7	0.50	12.9	14.4	177.0	133.0	5.2	0.20	4.9	5.7	78.9	34.9
193	12-Jul-95	11.1	0.71	10.1	12.4	188.1	140.1	5.0	0.10	4.9	5.2	83.9	35.9
194	13-Jul-95	10.7	0.22	10.4	11.1	198.8	146.8	4.8	0.09	4.7	5.0	88.7	36.7
195	14-Jul-95	10.0	0.45	9.4	10.5	208.9	152.9	4.6	0.10	4.4	4.8	93.2	37.2
196	15-Jul-95	11.3	1.09	9.7	12.6	220.2	160.2	4.8	0.04	4.8	4.9	98.1	38.1
197	16-Jul-95	12.4	0.60	11.5	13.6	232.6	168.6	5.3	0.23	4.9	5.6	103.3	39.3
198	17-Jul-95	14.9	1.70	11.3	17.0	247.5	179.5	6.1	0.33	5.5	6.5	109.5	41.5
199	18-Jul-95	16.7	0.59	15.4	17.4	264.1	192.1	7.6	0.77	6.5	8.7	117.0	45.0
200	19-Jul-95	16.4	0.43	15.9	17.1	280.6	204.6	8.5	0.79	6.7	9.1	125.5	49.5
201	20-Jul-95	17.4	0.43	16.7	18.0	298.0	218.0	6.7	0.51	5.9	7.8	132.2	52.2
202	21-Jul-95	18.1	0.42	17.4	18.7	316.1	232.1	6.6	0.59	5.9	7.7	138.8	54.8
203	22-Jul-95	17.6	0.34	17.0	18.1	333.7	245.7	8.7	0.79	7.5	10.0	147.4	59.4
204	23-Jul-95	17.4	0.50	16.4	18.0	351.1	259.1	12.3	1.21	9.7	14.3	159.7	67.7
205	24-Jul-95	17.0	0.31	16.4	17.6	368.1	272.1	12.5	0.49	12.1	13.9	172.2	76.2
206	25-Jul-95	16.7	0.32	16.3	17.3	384.7	284.7	10.9	1.28	8.6	12.3	183.0	83.0
207	26-Jul-95	17.1	0.27	16.8	17.7	401.9	297.9	7.2	0.55	6.7	8.2	190.2	86.2
208	27-Jul-95	17.3	0.14	17.2	17.6	419.2	311.2	6.2	0.31	5.6	6.5	196.4	88.4
209	28-Jul-95	17.4	0.50	16.6	18.3	436.6	324.6	7.0	0.44	6.4	7.6	203.4	91.4
210	29-Jul-95	17.0	0.53	16.3	18.3	453.6	337.6	7.8	0.16	7.6	8.0	211.2	95.2
211	30-Jul-95	16.6	0.58	15.2	17.1	470.1	350.1	7.3	0.26	6.9	7.6	218.4	98.4
212	31-Jul-95	16.4	1.00	14.7	17.8	486.5	362.5	7.3	0.38	6.6	7.7	225.7	101.7
213	01-Aug-95	17.3	0.51	16.1	17.7	17.3	13.3	7.7	0.14	7.5	8.0	7.7	3.7
214	02-Aug-95	17.8	0.24	17.3	18.0	35.1	27.1	7.7	0.25	7.4	8.1	15.4	7.4
215	03-Aug-95	18.5	0.30	18.0	18.8	53.6	41.6	8.0	0.12	7.8	8.2	23.4	11.4
216	04-Aug-95	19.2	0.58	18.5	20.2	72.8	56.8	8.9	0.46	8.0	9.7	32.3	16.3
217	05-Aug-95	18.2	1.11	15.6	19.6	91.0	71.0	9.3	0.52	8.2	9.8	41.6	21.6
218	06-Aug-95	15.5	0.62	14.8	17.1	106.5	82.5	6.4	0.65	5.7	7.9	48.1	24.1
219	07-Aug-95	17.8	0.56	17.3	18.7	124.3	96.3	6.6	0.82	5.3	7.7	54.7	26.7
220	08-Aug-95	17.4	0.56	16.4	18.4	141.7	109.7	8.1	0.54	7.2	8.9	62.8	30.8
221	09-Aug-95	18.3	0.71	17.0	19.4	160.0	124.0	11.1	1.45	8.8	13.6	73.9	37.9
222	10-Aug-95	18.9	0.20	18.6	19.3	178.9	138.9	13.2	0.34	12.4	13.5	87.1	47.1
223	11-Aug-95	18.6	0.43	18.2	19.4	197.5	153.5	13.0	0.53	11.8	13.4	100.0	56.0
224	12-Aug-95	17.8	0.30	17.4	18.3	215.3	167.3	10.3	0.47	9.5	11.2	110.4	62.4
225	13-Aug-95	18.0	0.24	17.4	18.3	233.4	181.4	11.9	1.03	9.5	13.0	122.2	70.2

Table 15. Temperature data for Val Comeau station (6).

Julian date	Date	Daily mean surface temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.	Daily mean bottom temperature	Standard deviation	Daily minimum	Daily maximum	Monthly accumulated degree days relative to 0 deg.	Monthly accumulated degree days relative to 4 deg.
226	14-Aug-95	18.6	0.32	18.0	19.1	252.0	196.0	12.8	0.33	12.1	13.0	135.0	79.0
227	15-Aug-95	19.1	0.29	18.6	19.4	271.0	211.0	12.8	0.28	12.4	13.3	147.8	87.8
228	16-Aug-95	19.6	0.50	18.8	20.1	290.6	226.6	12.4	0.43	12.0	13.2	160.3	96.3
229	17-Aug-95	20.1	0.22	19.8	20.5	310.7	242.7	12.0	0.60	11.2	12.6	172.3	104.3
230	18-Aug-95	20.3	0.24	19.9	20.5	331.0	259.0	11.7	0.43	11.2	12.6	184.0	112.0
231	19-Aug-95	20.2	0.25	19.8	20.5	351.2	275.2	12.4	0.49	11.5	13.0	196.4	120.4
232	20-Aug-95	19.8	0.32	19.1	20.2	370.9	290.9	11.7	0.58	11.2	12.8	208.1	128.1
233	21-Aug-95	20.1	0.41	19.1	20.5	391.0	307.0	10.5	0.55	9.8	11.2	218.6	134.6
234	22-Aug-95	20.0	0.26	19.7	20.5	411.0	323.0	11.6	1.00	9.8	13.3	230.2	142.2
235	23-Aug-95	19.1	0.75	18.0	20.2	430.1	338.1	14.1	0.41	13.4	14.7	244.2	152.2
236	24-Aug-95	17.9	0.70	16.7	18.8	448.1	352.1	13.0	1.01	11.2	14.1	257.2	161.2
237	25-Aug-95	17.4	0.28	16.8	17.7	465.5	365.5	11.3	0.41	10.7	12.0	268.5	168.5
238	26-Aug-95	18.3	0.50	17.4	18.9	483.8	379.8	11.8	0.24	11.5	12.3	280.3	176.3
239	27-Aug-95	18.6	0.60	17.4	19.3	502.4	394.4	13.7	0.91	12.6	15.5	294.1	186.1
240	28-Aug-95	19.5	0.20	19.3	19.8	521.9	409.9	14.0	0.67	13.1	15.4	308.0	196.0
241	29-Aug-95	18.7	0.69	17.2	19.3	540.5	424.5	11.2	0.90	10.2	13.0	319.2	203.2
242	30-Aug-95	15.9	0.66	15.1	16.8	556.4	436.4	9.4	0.40	9.0	10.1	328.6	208.6
243	31-Aug-95	17.5	0.34	17.0	18.1	573.9	449.9	9.7	0.30	9.2	10.2	338.3	214.3
244	01-Sep-95	17.2	0.32	16.8	17.8	17.2	13.2	11.0	0.99	9.7	12.7	11.0	7.0
245	02-Sep-95	17.5	0.27	16.9	17.8	34.6	26.6	14.7	0.31	14.2	15.5	25.7	17.7
246	03-Sep-95	16.5	0.41	16.2	17.3	51.1	39.1	15.2	1.25	13.5	16.2	41.0	29.0
247	04-Sep-95	16.8	0.14	16.6	17.0	67.9	51.9	16.8	0.15	16.4	16.9	57.7	41.7
248	05-Sep-95	16.5	0.26	16.1	16.9	84.4	64.4	16.3	0.17	16.1	16.6	74.0	54.0
249	06-Sep-95	16.3	0.14	16.1	16.6	100.7	76.7	16.1	0.05	16.1	16.2	90.1	66.1
250	07-Sep-95	16.2	1.03	13.0	16.8	116.9	88.9	16.1	0.00	16.1	16.1	106.2	78.2
251	08-Sep-95	16.1	1.73	12.4	18.0	133.0	101.0	16.6	1.93	13.5	19.3	122.8	90.8
252	09-Sep-95	17.6	2.28	14.6	20.5	150.6	114.6	17.4	2.13	14.7	20.2	140.2	104.2
253	10-Sep-95	17.6	2.33	14.9	20.5	168.2	128.2	17.4	2.23	14.7	20.4	157.6	117.6
254	11-Sep-95	16.2	1.05	15.4	17.9	184.4	140.4	15.7	0.88	15.1	17.4	173.3	129.3
255	12-Sep-95	15.6	3.36	11.4	20.5	200.0	152.0	15.0	2.61	11.6	19.1	188.3	140.3
256	13-Sep-95	15.2	3.86	10.7	20.5	215.2	163.2	14.8	3.18	10.9	20.2	203.0	151.0
257	14-Sep-95	16.3	3.37	12.3	20.5	231.5	175.5	15.9	3.06	12.4	20.5	218.9	162.9
258	15-Sep-95	16.7	3.05	12.5	20.5	248.2	188.2	16.3	2.83	12.8	20.5	235.3	175.3
259	16-Sep-95	18.5	2.01	15.1	20.5	266.7	202.7	18.5	2.11	15.1	20.5	253.8	189.8
260	17-Sep-95	14.0	3.10	9.7	18.2	280.7	212.7	13.9	2.90	9.7	17.4	267.7	199.7
261	18-Sep-95	16.3	3.08	10.6	20.5	297.1	225.1	16.1	2.61	11.6	19.8	283.9	211.9
262	19-Sep-95	15.0	3.64	9.2	19.8	312.0	236.0	14.8	3.07	9.8	19.0	298.6	222.6
263	20-Sep-95	15.3	3.01	8.3	19.7	327.4	247.4	14.8	3.15	8.8	18.4	313.4	233.4
264	21-Sep-95	15.6	2.77	11.4	19.2	342.9	258.9	15.1	1.92	12.2	17.6	328.5	244.5
265	22-Sep-95	13.8	2.94	9.3	17.1	356.7	268.7	12.9	2.13	9.7	15.3	341.4	253.4
266	23-Sep-95	16.2	4.32	10.2	20.5	372.9	280.9	15.1	3.91	10.6	20.5	356.5	264.5

Table 16. Monthly accumulated degree days (MADD) calculated for each station. Values in italic are extrapolated monthly degree days calculated with incomplete monthly time series but having 15 days or more of temperature data.

Surface temperature

Station	Depth (m)	May relative to 0 deg.	May relative to 4 deg.	June relative to 0 deg.	June relative to 4 deg.	July relative to 0 deg.	July relative to 4 deg.	August relative to 0 deg.	August relative to 4 deg.	September relative to 0 deg.	September relative to 4 deg.	October relative to 0 deg.	October relative to 4 deg.
Caraquet	2			415.8	295.8	557.8	433.8	567.7	443.7	414.2	294.2	309.4	185.4
Cap Lumière	2			393.4	273.4	473.3	353.3	540.7	416.7	462.8	342.8	394.1	270.1
Caribou	2			375.5	255.5	509.7	389.7	564.0	440.0	490.1	370.1		
Cribben's Point	2			333.1	213.1	523.1	403.1	587.3	463.3	505.5	385.5		
Escuminac	2			367.5	251.5	540.3	416.3	568.3	444.3	440.9	320.9		
Murphy's Pond	2			331.7	211.7	534.4	414.4	580.8	456.8	496.7	376.7		
New Mills	2			358.7	242.7	534.0	410.0	531.4	407.4				
North Lake	2			331.9	211.9	578.5	454.5	604.2	480.2	465.2	345.2		
Pointe Verte	2			385.0	269.0	531.7	407.7	547.4	423.4				
Pugwash	2			399.3	279.3	555.8	435.8	590.4	466.4	490.5	370.5		
Souris	2			301.3	181.3	534.2	410.2	573.9	449.9	492.1	372.1		
Tracadie Bay	2			358.2	238.2	587.3	463.3	600.1	476.1				
Val Comeau	2	186.9	62.9	319.4	203.4	486.5	362.5	573.9	449.9	486.3	366.3		

Bottom temperature

Station	Depth (m)	May relative to 0 deg.	May relative to 4 deg.	June relative to 0 deg.	June relative to 4 deg.	July relative to 0 deg.	July relative to 4 deg.	August relative to 0 deg.	August relative to 4 deg.	September relative to 0 deg.	September relative to 4 deg.	October relative to 0 deg.	October relative to 4 deg.
Caraquet	20			105.7	23.0	214.3	92.4	448.2	324.2	406.8	286.8	289.3	165.3
Cap Lumière	20			308.3	188.3	246.5	126.5	453.9	329.9	453.8	333.8	389.1	265.1
Caribou	20			265.9	127.3	316.8	208.7	446.7	322.7	482.7	362.7		
Cribben's Point	20			210.9	94.13	389.7	269.7	493.8	369.8	501.0	381.0		
Escuminac	22			85.0	10.4	98.2	7.8	257.7	134.9	328.1	208.1		
Murphy's Pond	22			212.1	92.3	361.5	241.5	459.8	335.8	490.9	370.9		
New Mills	20			87.3	17.6	150.5	53.4	272.9	154.1				
North Lake	20			277.3	157.6	416.0	292.0	497.9	373.9	447.4	327.4		
Pointe Verte	20			91.5	18.7	192.9	78.4	352.3	228.3				
Pugwash	29			238.5	118.7	274.3	154.3	433.0	309.0	478.1	358.1		
Souris	20			241.5	121.5	407.3	283.3	483.6	359.6	482.0	362.0		
Tracadie Bay	20			265.5	146.7	285.6	162.3	469.1	345.1				
Val Comeau	20	107.9	12.3	174.9	68.3	225.7	101.7	338.3	214.3	465.0	345.0		