

# Real Time Water Quality Monthly Report Lower Humber River at Humber Village Bridge July - August 2006

## General

• The Water Resources Management Division staff monitors the real-time web page on a daily basis.

## **Maintenance and Calibration of Instrumentation**

- The Datasonde was deployed in the river for the period of July 14<sup>th</sup> August 14<sup>th</sup>, 2006 (exactly one month deployment period).
- The Datasonde was removed on August 14<sup>th</sup>, 2006 for maintenance and calibration and returned to the river on August 15<sup>th</sup>, 2006.
- Upon removal and redeployment at the station, Minisonde readings were taken for QA/QC purposes. The results from comparing the Minisonde values to the Datasonde values can be seen in **Table 1**. According to the comparison rankings for the installation on August 15th, it appears as though either the Datasonde or the Minisonde did not calibrate properly (ie: marginal; fair and poor readings for conductivity, pH and dissolved oxygen respectively). The most likely scenario is that the Minisonde did not calibrate properly simply because the comparison rankings at the time of removal were also low (ie: fair and poor readings for conductivity and dissolved oxygen respectively). It is unlikely that the conductivity and dissolved oxygen probes drifted to that extent over the one month deployment period. DOEC staff will investigate this issue further to determine the cause of the low QA/QC rankings for some parameters.

			Minisonde vs. Datasonde Comparison Ranking							
Station	Date	Action	Temperature	pH	Conductivity	Dissolved Oxygen				
Humber River @	August 14th, 2006	Removal	Excellent	Good	Fair	Poor				
Humber Village Bridge	August 15th, 2006	Installation	Excellent	Fair	Marginal	Poor				

Table 1: QA/QC Data Comparison Rankings

• A water sample was taken for laboratory analysis as part of QA/QC procedures upon reinstallation.

#### **Data Interpretation**

8.20

7.38

6.56

j 5.74-

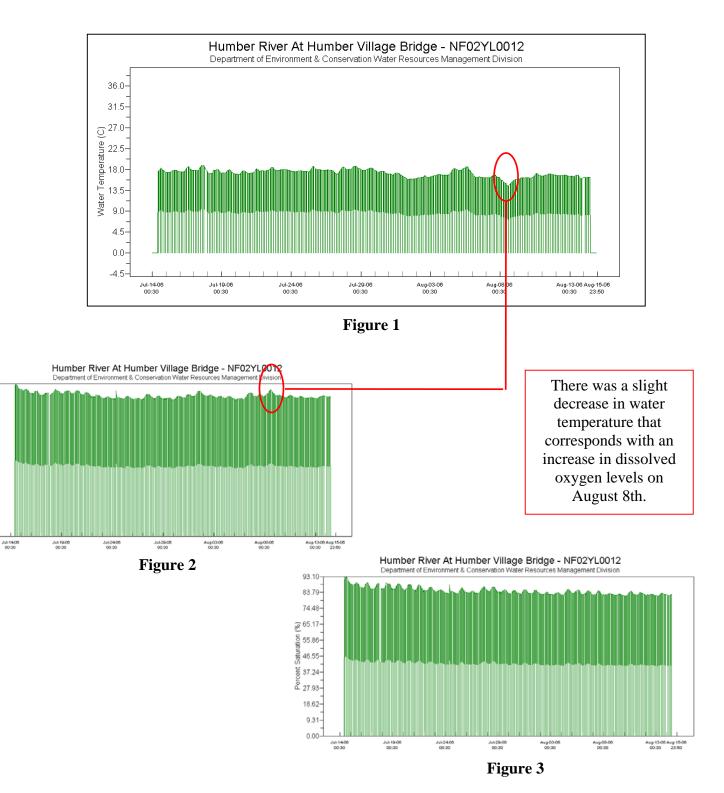
4.92

0 4.10 9 3.28

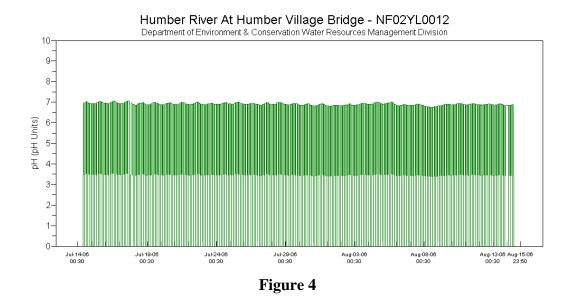
2.46

1.64 0.82

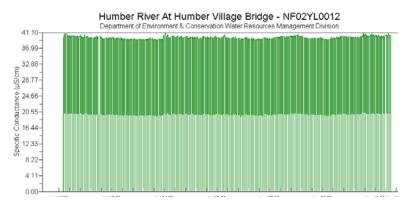
- During the deployment period of July 14<sup>th</sup> August 14<sup>th</sup>, 2006 the water quality remained relatively stable for most parameters.
- The water temperature (Figure 1) remained constant from mid July to mid August only ranging from 14.4°C to 18.9°C. Additionally, the dissolved oxygen (Figure 2) and percent saturation (Figure 3) graphs also remained constant over this period due to the constant water temperature. Even with warm water temperatures, the dissolved oxygen levels remained well within the acceptable limits to support aquatic life.



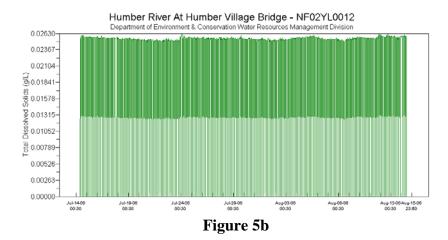
• pH values (Figure 4) from mid July to mid August remained stable at approximately 7.0 units.



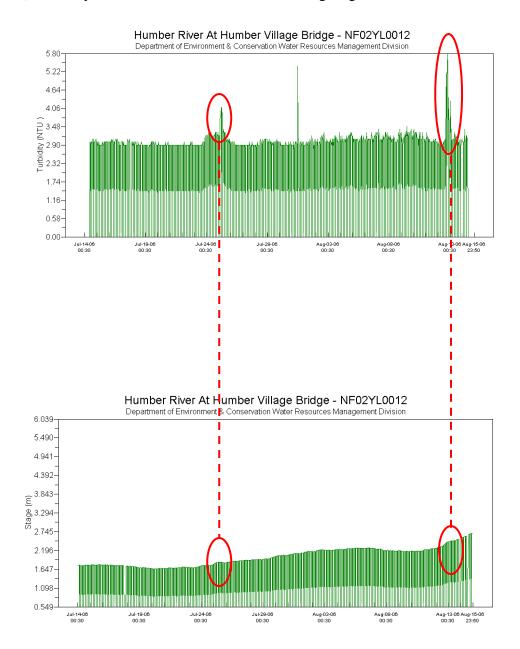
Conductivity and total dissolved solids values (Figures 5a and 5b) remained constant throughout the deployment period. The conductivity values ranged from 38.5uS/cm to 41.1uS/cm.







The turbidity values (Figure 6) generally remained at approximately 3 NTU which is the typical background concentration for this station. There were three spikes in turbidity over the deployment period (4.1 NTU – July 25<sup>th</sup>; 5.4 NTU – July 31<sup>st</sup>; 5.8 NTU – August 12<sup>th</sup>). In the case of the first spike on July 25<sup>th</sup> and the last spike on August 12<sup>th</sup>, the values rose and fell within approximately 7 hours. These spikes are most likely due to an increase in rainfall at the same times as can be seen in the stage graph (Figure 7) and the corresponding table of precipitation amounts (Table 2). The second spike in turbidity occurred and immediately returned to background levels within one hour. This increase was more sporadic in nature indicating a possible disturbance to the probe (ie: leaf, debris, etc.) or it may also have been due to the increasing stage trend at that time.



D	Daily Data Report for July 2006       Max     Min     Mean     Heat     Cool     Total     Total     Snow     Dir							Seed														
Da	Max Temp	Min Temp	Mean Temp	Heat Deq	Cool Deq	Total Rain	Total Snow	Total Precip	Snow on	Dir of	Spd of											
У	°C	°C	°C	Days	Days	mm	cm	mm	Grnd	Max	Max											
				C Z	C	M	<u>×</u>		cm M	Gust 10's	<u>Gust</u> km/h											
				199.9						Deg												
<u>01</u> 02	26.2 21.5	11.3 12.7	18.8 17.1	0.0	0.8	1.0 6.6	0.0	1.0	0													
03	20.5	11.4	16.0	2.0	0.0	10.0	0.0	10.0	0													
04	22.8	8.2	15.5	2.5	0.0	0.0	0.0	0.0	0													
<u>05</u>	25.5	7.0		1.7	0.0	3.0	0.0	3.0	0													
06	25.2		20.5	0.0	2.5	0.0	0.0	0.0	0													
07 08	23.8	10.6	17.2	0.8	0.0	0.0	0.0	0.0	0													
09	28.8	15.0	21.9	0.0	3.9	0.0	0.0	0.0	0													
10	24.4	12.9	18.7	0.0	0.7	0.0	0.0	0.0	0													
11	25.9	11.9	18.9	0.0	0.9	0.0	0.0	0.0	0		_											1
12	21.9	10.1	16.0	2.0	0.0	7.0	0.0	7.0	0		-								eased			
<u>13</u> 14	23.5	7.0	15.3 15.3	2.7	0.0	3.0	0.0	3.0	0		-							amo	ounts	durin	g	
15	17.3		14.9	3.1	0.0	3.6	0.0	3.6	0		0					_	d		ymen			
16	25.8		19.4	0.0	1.4	т	0.0	Т	0										, men	· Per	uu	
17	28.3	14.3	21.3	0.0	3.3	0.0	0.0	0.0	0		_											-
<u>18</u> 19	29.3 24.5	16.0 12.7	22.7 18.6	0.0	4.7	0.0	0.0	0.0	0					-								
20	27.8		19.0	0.0	1.0	0.0	0.0	0.0	0							_						
21	29.4	8.2	18.8	0.0	0.8	1.4	0.0	1.4	0						/							
22	24.8		20.7	0.0	2.7	16.4	0.4	16.4	2													
23	17.5		14.8 13.6	3.2	0.0	22.2 15.0	0.0	22.2	0				/									
<u>24</u> 25	14.8 25.1		13.6	4.4	0.0	15.0	0.0	15.0 3.2	0			/										
26	19.8		17.4	0.6	0.0	3.6	0.0	36	0													
27	25.9	12.6	19.3	0.0	1.3	т	0.0	$\frown$	0													
28	27.7	16.6	22.2	0.0	4.2	1.2	0.0	1.2	0													
29	20.6	16.2 8.9	18.4	0.0	0.4	29.4 0.0	0.0	29.4 0.0	0						aily Dat							
30																				C	Dir	
<u>30</u> 31	23.5	7.6		3.6	0.0	1.6	0.0	1.6	0		D	Max	Min	Mean		Cool	Total	Total	Total	Snow	-6	Spd
<u>30</u> <u>31</u> Sum			14.4		0.0			1.6			а	Temp °C	Min Temp °C	Mean Temp °C	Deq	Deq	Total Rain mm	Total Snow cm	Total Precip mm	on	of	of
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7		3.6	0.0	1.6	0.0	1.6				Temp	Temp	Temp	Deq Days C	Deq Days C	Rain	Snow	Precip	on Grnd cm	of Max Gust	of Max Gust
<u>31</u> Sum	21.1	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			а	Temp °C	Temp °C	Temp °C	Deq Days	Deq Days	Rain mm	Snow	Precip mm	on Grnd	of Max	of Max
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			а У <u>01</u>	26.2	<u>Temp</u> °€ ₩ 11.3	18.8	Deq Days C M 0.0	Deq Days C	Rain mm 2.0	Snow Cm Ø.0	Precip mm	on Grnd CM	of <u>Max</u> Gust 10's	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y <u>01</u> <u>02</u>	26.2 21.5	11.3 12.7	18.8 17.1	Deq Days C 0.0 0.9	Deq Days C 0.8 0.0	Rain mm 1.0 6.6	Snow 0.0	Precip mm 2 1.0 6.6		of Max Gust L0's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y 01 02 03	26.2 20.5	11.3 12.7 11.4	18.8 17.1 16.0	Deg Days C 200 0.0 0.9 2.0	Deq Days C 0.8 0.0 0.0	Rain NM 1.0 6.6 10.0	Snow 0.0 0.0	Precip mm 10 6.6 10.0		of Max Gust L0's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y <u>01</u> <u>02</u>	26.2 21.5	11.3 12.7	18.8 17.1	Deq Days C 0.0 0.9	Deq Days C 0.8 0.0	Rain mm 1.0 6.6	Snow 0.0	Precip mm 2 1.0 6.6		of Max Gust L0's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y <u>01</u> <u>02</u> <u>03</u> <u>04</u>	Temp °C ≥6.2 21.5 20.5 22.8	11.3 12.7 11.4 8.2	18.8 17.1 16.0 15.5	Deg Days C 0.0 0.9 2.0 2.5	Deq Days C 0.8 0.0 0.0 0.0	Rain mm 1.0 6.6 10.0 0.0	Snow 0.0 0.0 0.0 0.0	Precip mm 10 6.6 10.0 0.0		of Max Gust L0's Deg	of Max Gust
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<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y <u>01</u> <u>02</u> <u>03</u> <u>04</u> <u>05</u> <u>06</u> <u>07</u> <u>08</u>	Temp °C 26.2 21.5 20.5 22.8 25.5 25.2 23.8 25.2	Temp °C 11.3 12.7 11.4 8.2 7.0 15.7 10.6 6.1	18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7	Deq Days C 0.0 0.9 2.0 2.5 1.7 0.0 0.8 2.3	Deq Days C 0.8 0.0 0.0 0.0 2.5 0.0 0.0 0.0	Rain mm 1.0 6.6 10.0 0.0 3.0 0.0 0.0 0.0 0.0	Snow CO 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Precip 10 6.8 10.0 0.0 0.0 0.0 0.0 0.0 0.0	0 Grad C 0 0 0 0 0 0 0 0 0 0 0 0 0	of Max Cust I0's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y <u>01</u> <u>02</u> <u>03</u> <u>04</u> <u>05</u> <u>06</u> <u>07</u> <u>08</u> <u>09</u>	Temp °C 26.2 21.5 20.5 22.8 25.5 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8	Temp °C 11.3 12.7 11.4 8.2 7.0 15.7 10.6 6.1 15.0	18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7 21.9	Deq Days C 0.0 0.9 2.0 2.5 1.7 0.0 0.8 2.3 0.0	Deq Days C 0.8 0.0 0.0 0.0 0.0 2.5 0.0 0.0 0.0 0.0 3.9	Rain M 1.0 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Snow CO 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Precip mm 10 6.8 10.0 0.0 0.0 0.0 0.0 0.0 0.0		of Max Qust 10's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y 01 02 03 04 05 06 07 07 08 09 10	Temp °C 26.2 21.5 20.5 22.8 25.5 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 24.4	Temp °C 20 11.3 12.7 11.4 8.2 7.0 15.7 10.6 6.1 15.0 12.9	18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7 21.9 18.7	Deq Days C 0.0 0.9 2.0 2.5 1.7 0.0 0.8 2.3 0.0 0.0 0.0	Deq Days C 0.8 0.0 0.0 0.0 0.0 2.5 0.0 0.0 0.0 3.9 0.7	Rain M 1.0 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Snow C 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Precip mm 10 6.8 10.0 0.0 0.0 0.0 0.0 0.0 0.0		of Max Qust 10's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y <u>01</u> <u>02</u> <u>03</u> <u>04</u> <u>05</u> <u>06</u> <u>07</u> <u>08</u> <u>09</u>	Temp °C 26.2 21.5 20.5 22.8 25.5 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8	Temp °C 11.3 12.7 11.4 8.2 7.0 15.7 10.6 6.1 15.0 12.9 11.9	18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7 21.9 18.7	Deq Days C 0.0 0.9 2.0 2.5 1.7 0.0 0.8 2.3 0.0	Deq Days C 0.8 0.0 0.0 0.0 0.0 2.5 0.0 0.0 0.0 0.0 3.9	Rain M 1.0 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Snow CO 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Precip mm 10 6.8 10.0 0.0 0.0 0.0 0.0 0.0 0.0		of Hax Cust I0's Deg	of Max Gust
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<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y 01 02 03 04 05 06 05 06 07 08 09 10 11 12 13 14 15 16	Temp °C 26.2 21.5 20.5 22.8 25.5 25.2 23.8 25.2 23.8 25.2 28.8 24.4 25.9 21.9 23.5 24.4 17.3 25.8	Temp °C 11.3 12.7 11.4 8.2 7.0 15.7 10.6 6.1 15.0 12.9 11.9 10.1 7.0 6.2 12.4 12.9	Temp °C 18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7 21.9 18.7 18.9 16.0 15.3 15.3 14.9 19.4	Desg Days C C 0.0 2.0 2.5 1.7 0.0 0.8 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Deg Days C C 0.8 0.0 0.0 0.0 0.0 2.5 0.0 0.0 0.0 3.9 0.7 0.9 0.7 0.9 0.7 0.9 0.0 0.0 0.0 0.0 0.0 0.0 1.4	Rain MM 1.0 6.6 10.0 0.0 3.0 0.0 0.0 0.0 0.0 0.0	Snow 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Precip mm 10 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		of Hax Cust I0's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y 01 02 03 04 05 06 05 06 05 06 09 10 10 11 12 13 14 15	Temp °C 26.2 21.5 20.5 22.8 25.5 25.2 23.8 25.2 23.8 25.2 28.8 24.4 25.9 21.9 23.5 24.4 17.3	Temp °C ⊮ 111.3 12.7 11.4 8.2 7.0 15.7 10.6 6.1 15.0 12.9 11.9 10.1 7.0 12.9 11.9 10.1 7.0 2.2 12.4 12.9 14.3	Temp °C 18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7 21.9 18.7 18.9 16.0 15.3 15.3 15.3 15.3 14.9 19.4 21.3	Deag Days C C 0.0 2.0 2.5 1.7 0.0 0.8 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Deg Days C C C C C C C C C C C C C C C C C C C	Rain 1.0 6.6 10.0 0.0 3.0 0.0 0.0 0.0 0.0 0.0	Snow 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Precip 10 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		of Hax Cust I0's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y 01 02 03 04 05 06 05 06 07 08 09 10 11 12 13 14 15 16 17	Temp °C 26.2 21.5 20.5 25.5 25.2 23.8 25.2 28.8 24.4 25.9 21.5 24.4 25.9 21.5 24.4 25.9 21.5 24.4 25.9 23.5 24.4 25.9 23.5 24.4 25.9 23.5 24.4 25.9 23.5 24.4 25.5 24.5 24.5 25.5 2	Temp °C ⊮ 11.3 12.7 11.4 8.2 7.0 15.7 10.6 6.1 15.0 12.9 11.9 10.1 7.0 12.9 11.9 10.1 7.0 12.9 11.9 14.3 16.0	Temp °C 18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7 21.9 18.7 18.9 16.0 15.3 15.3 15.3 15.3 14.9 19.4 21.3	Desg Davys C C 2.0 2.0 2.0 2.0 2.0 0.0 0.0 0.0 0.0 0.0	Dec Days C C C C C C C C C C C C C C C C C C C	Rain 1.0 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Snow C.C. O.O O.O O.O O.O O.O O.O O.O O.O O.	Precip 10 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		of Hax Cust I0's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20	Temp °C 26.2 21.5 20.5 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 25.2 25.2 23.8 25.2 24.4 25.8 2	Temp °C № 111.3 12.7 11.4 8.20 7.00 15.7 10.6 6.1 15.0 12.9 11.9 10.1 7.00 6.2.4 12.9 14.3 16.0 12.7 10.2	Temp °C 18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7 21.9 18.7 18.9 16.0 15.3 14.9 16.0 15.3 14.3 14.3 14.3 14.3 14.3 14.3 15.4 15.5 16.0 15.3 15.3 14.3 15.5 16.0 15.5 16.0 15.5 16.0 15.5 16.0 15.5 16.0 15.5 16.0 15.5 16.0 15.5 16.0 15.5 17.2 15.7 18.9 16.0 15.5 16.0 15.5 16.0 15.5 16.0 17.2 15.7 16.0 15.5 16.0 17.2 15.7 16.0 15.5 16.0 17.2 17.2 15.7 16.0 15.5 17.2 15.7 16.0 15.5 16.0 17.2 15.7 17.2 15.7 17.2 15.7 16.0 15.5 16.0 17.2 17.2 17.9 16.0 15.5 16.0 15.5 16.0 15.5 16.0 17.2 17.2 17.2 17.2 17.2 18.7 18.9 16.0 15.5 16.0 15.5 17.2 15.7 18.9 16.0 15.3 16.0 15.5 16.0 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3	Desg Days C C 2.5 1.7 0.0 0.8 2.3 0.0 0.8 2.3 0.0 0.0 2.0 2.7 2.7 2.7 2.7 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Des Days C C C C C C C C C C C C C	Rain Main 1.0 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Snow C.C. O.O O.O O.O O.O O.O O.O O.O O.O O.	Precip 100 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		of Hax Cust I0's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21	Temp °C 26.2 21.5 20.5 22.8 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 24.4 25.9 21.9 23.5 24.4 17.3 25.4 24.4 17.3 25.8 24.4 27.8 29.3 29.3 24.5	Temp °C 111.3 12.7 11.4 8.20 7.0 15.7 10.6 6.1 15.0 12.9 11.9 10.1 7.0 6.2 12.4 12.4 12.4 12.4 12.4 12.4 12.5 14.3 16.0 12.7 10.2 8.2	Temp °C 18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7 21.9 18.7 18.9 16.0 15.3 14.9 19.4 21.3 22.7 18.6 19.4 21.3 22.7 18.6	Desg Days C C 2.5 1.7 0.0 0.0 0.8 2.3 0.0 0.0 0.0 2.0 2.7 2.7 2.7 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Des Days C C C C C C C C C C C C C	Rain Main 1.0 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Snow C.C.	Precip 10 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		of Hax Cust I0's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22	Temp °C 26.2 21.5 20.5 22.8 25.5 23.8 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 24.4 17.3 25.5 24.4 17.3 25.8 329.3 24.5 27.8 29.3 24.5 27.8 29.4	Temp °C 111.3 12.7 11.4 8.2 7.0 15.7 10.6 6.1 15.0 12.9 11.9 10.1 7.0 6.2 12.4 12.4 12.9 14.3 16.0 12.7 10.2 8.2 16.5	Temp °C 18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7 21.9 18.7 18.9 16.0 15.3 14.9 19.4 21.3 14.9 19.4 21.3 22.7 18.6 19.0 18.8 20.7	Desg Days c c 2.5 1.7 0.0 0.8 2.3 0.0 0.8 2.3 0.0 0.8 2.3 0.0 0.0 2.0 2.7 2.7 2.7 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Des Days C C C C C C C C C C C C C	Rain Main 1.0 6.6 10.0 0.0 3.0 0.0 0.0 0.0 0.0 0.0	Snow C.C.	Precip 10 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		of Hax Cust I0's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 15 16 17 17 18 19 20 21 22 23	Temp °C 26.2 21.5 20.5 25.5 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 24.4 25.9 21.9 23.5 24.4 17.3 25.8 28.3 29.3 24.5 27.8 29.3 29.4 24.5 27.8 29.4	Temp °C 11.3 12.7 11.4 8.2 7.0 15.0 12.9 11.9 10.1 7.0 6.2 12.4 12.9 14.3 16.0 12.7 10.2 8.2 16.5 12.1	Temp °C 18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7 21.9 18.7 18.9 16.0 15.3 14.9 19.4 21.3 14.9 19.4 21.3 22.7 18.6 19.0 18.8 20.7 14.8	Desg Days c c 2.5 1.7 0.0 0.8 2.3 0.0 0.8 2.3 0.0 0.0 2.0 2.7 2.7 2.7 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Des Days C C C C C C C C C C C C C	Rain Main 1.0 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Snow 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Precip 10 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		of Hax Cust I0's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y 01 02 03 04 05 05 06 07 08 09 10 11 12 13 14 15 16 17 17 18 19 20 21 22 23 24	Temp °C 26.2 21.5 20.5 25.5 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 24.4 25.9 21.9 23.5 24.4 17.3 25.8 28.3 29.3 24.5 27.8 28.3 29.4 5 27.8 29.4 17.5 27.8	Temp °C 11.3 12.7 11.4 8.2 7.0 15.0 12.9 11.9 10.1 7.0 6.2 12.4 12.9 14.3 16.0 12.7 10.2 8.2 14.3 16.5 12.1 12.3	Temp °C 18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7 21.9 18.7 18.9 16.0 15.3 14.9 19.4 21.3 22.7 18.4 9 19.4 21.3 22.7 18.8 20.7 14.8 20.7	Desg Days c c 2.5 1.7 0.0 0.8 2.3 0.0 0.8 2.3 0.0 0.8 2.3 0.0 0.0 2.0 2.7 2.7 2.7 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Des Days C C C C C C C C C C C C C	Rain 1.0 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Snow C.C.	Precip 10 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		of Hax Cust I0's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 15 16 17 17 18 19 20 21 22 23	Temp °C 26.2 21.5 20.5 25.5 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 24.4 25.9 21.9 23.5 24.4 17.3 25.8 28.3 29.3 24.5 27.8 29.3 29.4 24.5 27.8 29.4	Temp °C 11.3 12.7 11.4 8.2 7.0 15.0 12.9 11.9 10.1 7.0 6.2 12.4 12.9 14.3 16.0 12.7 10.2 8.2 16.5 12.1	18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7 21.9 18.7 18.9 16.0 15.3 15.3 14.9 19.4 21.3 22.7 18.6 19.0 18.8 20.7 18.8 20.7 18.8 19.4 21.3 22.7 18.6 19.4 21.3 22.7 18.8 19.4 21.3 22.7 18.8 19.4 21.3 22.7 18.8 19.4 21.5 19.5 19.4 21.5 19.5 19.4 21.5 19.5 19.5 19.4 21.5 19.5	Desg Days C C 2.5 1.7 0.0 0.8 2.3 0.0 0.8 2.3 0.0 0.0 2.0 2.7 2.7 3.1 0.0 0.0 2.7 2.7 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Des Days C C C C C C C C C C C C C	Rain Main 1.0 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Snow 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Precip 10 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		of Hax Cust I0's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y 01 02 03 04 05 06 07 07 08 09 10 11 12 13 14 15 16 17 17 18 19 20 21 22 23 24 25	Temp       °C       26.2       21.5       22.8       25.5       25.2       23.8       25.2       23.8       25.2       23.8       25.2       23.8       25.2       23.8       25.2       23.8       24.4       17.3       25.8       28.3       29.3       24.5       27.8       29.3       24.5       27.8       29.3       24.5       27.8       29.3       24.5       27.8       29.3       24.5       27.8       29.3       24.5       27.8       29.3       24.5       27.8       29.1	Temp       °C       11.3       12.7       13.8       7.0       15.7       10.6       6.1       15.0       12.9       11.9       10.6       6.2       12.9       14.3       16.0       12.7       14.3       16.0       12.7       14.3       16.2       8.2       16.3       12.3       12.3	Temp °C 18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7 21.9 18.7 18.9 16.0 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3	Desg Days C C C C C C C C C C C C C C C C C C C	Deeg Days C C C C C C C C C C C C C C C C C C C	Rain 1.0 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Snow 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Precip 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0	en Grad 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	of Hax Cust I0's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 20 21 22 23 24 25 26 27 28	Temp °C 26.2 21.5 20.5 25.5 25.2 23.8 25.2 23.8 25.2 28.8 24.4 25.9 21.9 23.4 24.4 25.9 24.5 24.4 25.9 24.5 24.4 17.3 25.8 28.3 29.3 24.5 27.8 29.4 24.5 14.8 25.1 19.8 25.1 19.8 25.5 27.8 29.4 24.5 27.8 29.4 24.5 27.8 29.4 24.5 27.8 29.3 24.5 27.8 29.3 24.5 27.8 29.3 24.5 27.8 29.3 24.5 27.8 29.3 24.5 27.8 29.3 24.5 27.8 29.3 24.5 27.8 29.3 24.5 27.8 29.4 27.8 29.3 24.5 27.8 29.3 24.5 27.8 29.4 24.5 27.8 29.4 24.5 27.8 29.4 27.8 29.4 27.8 27.8 29.4 27.8 29.4 27.8 29.3 24.5 27.8 29.3 24.5 27.8 29.4 27.8 27.7 27.8 27.7 2	Temp °C 111.3 12.7 11.4 8.2 7.0 15.7 10.6 6.1 15.0 12.9 11.9 10.1 7.0 12.9 11.9 10.1 7.0 12.9 11.9 10.1 7.0 12.9 11.3 12.9 10.1 7.0 12.9 11.4 12.9 11.4 12.9 11.4 12.9 10.1 7.0 12.9 11.9 10.1 7.0 12.9 11.9 10.1 7.0 12.9 11.9 10.1 7.0 12.9 11.9 10.1 7.0 12.9 11.9 10.1 7.0 12.9 11.9 10.1 7.0 10.2 8.2 16.5 12.7 10.2 8.2 16.5 12.7 10.2 8.2 16.5 12.3 12.9 14.3 16.0 12.9 14.3 16.0 12.7 10.2 8.2 16.5 12.3 12.3 12.3 12.3 12.3 12.3 12.3 12.3 12.6 15.5 12.6 15.5 12.9 12.9 14.3 15.0 12.9 14.3 16.0 12.7 10.2 12.4 12.9 14.3 16.0 12.7 10.2 12.4 12.3 12.3 12.3 12.6 12.6 12.6 12.5	Temp °C 18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7 21.9 18.7 18.9 16.0 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3	Desg Davys C C 2.0 2.0 2.3 1.7 0.0 0.0 0.0 0.0 2.0 2.7 2.7 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Dec Days C C C C C C C C C C C C C C C C C C C	Rain Main 1.0 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Snow C.C.	Precip 10 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		of Hax Cust I0's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 20 21 22 23 24 22 25 26 27 28 29	Temp °C °C 26.2 21.5 20.5 25.5 25.2 23.8 25.2 28.8 24.4 25.9 21.9 23.5 24.4 25.9 21.9 23.5 24.4 25.9 21.9 23.5 24.4 17.3 25.8 29.3 24.5 27.8 29.4 27.8 29.4 24.5 17.5 14.8 17.5 19.8 25.9 27.7 20.5 19.8 25.9 27.8 29.4 27.8 29.4 27.8 29.4 27.8 29.4 29.5 24.5 27.8 29.4 29.5 27.8 29.4 29.5 27.8 29.4 29.5 27.8 29.4 29.5 27.8 29.4 29.5 27.8 29.4 29.5 27.8 29.4 29.5 27.8 29.4 29.5 27.8 29.4 29.5 27.8 29.4 29.5 24.5 27.8 29.4 29.5 27.8 29.4 29.5 20.5 20.5 27.8 29.4 29.5 29.4 29.5 29.4 29.5 20.5 20.	Temp °C 111.3 12.7 11.4 8.2 7.0 15.7 10.6 6.1 15.0 12.9 11.9 10.1 7.0 6.2 4 12.9 14.3 16.0 12.7 10.2 8.2 16.5 12.1 12.3 14.9 12.3 14.9 12.6 16.6 16.6 16.6	Image       18.8       17.1       16.0       15.5       17.2       15.7       21.9       18.7       18.9       16.0       15.3       21.9       18.7       18.9       16.0       15.3       14.8       20.7       18.6       19.0       18.8       20.7       18.8       20.7       18.8       20.7       18.8       20.7       18.8       20.7       18.8       20.7       18.8       20.7       18.8       20.7       14.8       13.4       19.3       22.2       18.4	Desg Days C C 2.0 2.5 7 0.0 2.5 7 0.0 0.0 0.0 0.0 2.0 2.7 2.7 2.7 2.7 2.7 2.7 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Des Days C C C C C C C C C C C C C	Rain Main 1.0 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Snow C.C.	Precip 10 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		of Hax Cust I0's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y 01 02 03 04 05 06 07 07 08 09 10 11 12 13 14 13 15 16 17 13 14 15 16 17 12 20 21 22 23 24 23 24 25 26 27 28 29 30	Temp °C 26.2 21.5 20.5 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 24.4 25.9 21.9 23.5 24.4 25.9 24.4 17.5 27.8 29.4 24.5 27.8 29.4 24.5 14.8 25.9 27.7 20.6 23.5	Temp °C 11.3 12.7 11.4 8.2 7.0 15.7 10.6 6.1 15.0 12.9 11.9 10.1 7.0 6.2 12.9 14.3 16.0 12.7 10.2 8.2 16.5 12.1 12.3 14.9 12.3 14.9 12.3 14.9 12.6 16.6 16.2 8.9	Temp °C 18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7 21.9 18.7 18.9 16.0 15.3 14.8 15.3 14.3 22.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.8 20.7 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 19.4 21.9 19.4 21.3 22.7 18.6 19.0 19.4 21.3 22.7 18.8 19.4 21.3 22.7 18.8 19.4 21.9 19.4 21.3 22.7 18.8 19.4 21.3 22.7 18.8 19.4 21.3 22.7 18.8 19.4 21.3 22.7 18.8 19.4 21.3 22.7 18.8 19.4 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 14.8 13.6 14.8 14.6 15	Desg Days C C 2.5 1.7 0.0 2.5 1.7 0.0 0.0 0.0 0.0 0.0 2.0 2.7 2.7 2.7 2.7 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Des Days C C C C C C C C C C C C C	Rain Main 1.0 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Snow C.C.	Precip 10 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		of Hax Cust I0's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 20 21 22 23 24 22 25 26 27 28 29	Temp °C °C 26.2 21.5 20.5 25.5 25.2 23.8 25.2 28.8 24.4 25.9 21.9 23.5 24.4 25.9 21.9 23.5 24.4 25.9 21.9 23.5 24.4 17.3 25.8 29.3 24.5 27.8 29.4 27.8 29.4 24.5 17.5 14.8 17.5 19.8 25.9 27.7 20.5 19.8 25.9 27.8 29.4 27.8 29.4 27.8 29.4 27.8 29.4 29.5 24.5 27.8 29.4 29.5 27.8 29.4 29.5 27.8 29.4 29.5 27.8 29.4 29.5 27.8 29.4 29.5 27.8 29.4 29.5 27.8 29.4 29.5 27.8 29.4 29.5 27.8 29.4 29.4 29.5 27.8 29.4 29.5 27.8 29.4 29.5 27.8 29.4 29.5 20.	Temp °C 111.3 12.7 11.4 8.2 7.0 15.7 10.6 6.1 15.0 12.9 11.9 10.1 7.0 6.2 4 12.9 14.3 16.0 12.7 10.2 8.2 16.5 12.1 12.3 14.9 12.3 14.9 12.6 16.6 16.6 16.6	Temp °C 18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7 21.9 18.7 18.9 16.0 15.3 14.8 15.3 14.3 22.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.8 20.7 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 19.4 21.9 19.4 21.3 22.7 18.6 19.0 19.4 21.3 22.7 18.8 19.4 21.3 22.7 18.8 19.4 21.9 19.4 21.3 22.7 18.8 19.4 21.3 22.7 18.8 19.4 21.3 22.7 18.8 19.4 21.3 22.7 18.8 19.4 21.3 22.7 18.8 19.4 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 14.8 13.6 14.8 14.6 15	Desg Days C C 2.5 1.7 0.0 2.5 1.7 0.0 0.0 0.0 0.0 0.0 2.0 2.7 2.7 2.7 2.7 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Des Days C 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Rain Main 1.0 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Snow C.C.	Precip 10 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		of Hax Cust I0's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y 01 02 03 04 05 06 07 07 08 09 10 11 12 13 14 15 16 17 13 14 15 16 17 13 12 20 21 22 23 24 22 23 24 25 26 27 28 22 29 30 31	Temp °C 26.2 21.5 20.5 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 25.2 23.8 24.4 25.9 21.9 23.5 24.4 25.9 24.4 17.5 27.8 29.4 24.5 27.8 29.4 24.5 14.8 25.9 27.7 20.6 23.5	Temp °C 11.3 12.7 11.4 8.2 7.0 15.7 10.6 6.1 15.0 12.9 11.9 10.1 7.0 6.2 12.9 14.3 16.0 12.7 10.2 8.2 16.5 12.1 12.3 14.9 12.3 14.9 12.3 14.9 12.6 16.6 16.2 8.9	Temp °C 18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7 21.9 18.7 18.9 16.0 15.3 14.8 15.3 14.3 22.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.8 20.7 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 19.4 21.9 19.4 21.3 22.7 18.6 19.0 19.4 21.3 22.7 18.8 19.4 21.3 22.7 18.8 19.4 21.9 19.4 21.3 22.7 18.8 19.4 21.3 22.7 18.8 19.4 21.3 22.7 18.8 19.4 21.3 22.7 18.8 19.4 21.3 22.7 18.8 19.4 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 18.8 19.0 18.8 20.7 14.8 13.6 14.6 15	Desg Days C C 2.5 1.7 0.0 2.5 1.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Des Days C 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Rain Main 1.0 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Snow  Comparent	Precip 10 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		of Hax Cust IO's Deg	of Max Gust
<u>31</u> Sum Avg	21.1 24.0	7.6 11.7	14.4	3.6	0.0	1.6	0.0	1.6			a y 01 02 03 04 05 06 07 07 08 09 10 11 12 13 14 15 15 16 17 13 14 15 16 17 13 20 21 22 23 24 23 24 25 26 27 28 22 23 24 25 26 27 28 29 30 31 31 5 Sum	Temp       °C       26.2       21.5       20.5       22.8       25.2       23.8       25.2       23.8       24.4       25.9       23.5       24.4       25.9       23.5       24.4       25.9       23.5       24.4       25.9       24.4       27.8       29.3       24.5       27.8       29.3       24.5       27.8       29.3       24.5       27.8       29.4       24.8       17.5       14.8       25.1       19.8       25.1       9.7.7       20.6       23.5       21.1	Temp       °C       ×       11.3       12.7       11.4       8.20       7.00       15.7       10.6       6.1       15.0       12.9       10.1       7.00       6.24       12.9       14.3       16.0       12.7       10.2       8.2       16.5       12.1       12.3       14.9       12.3       14.9       12.3       14.9       12.3       14.9       12.3       14.9       12.6       16.6       16.2       8.9       7.6	Temp °C 18.8 17.1 16.0 15.5 16.3 20.5 17.2 15.7 21.9 18.7 18.9 16.0 15.3 14.9 19.0 15.3 14.9 19.0 15.3 14.9 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.8 20.7 18.6 19.0 18.8 20.7 18.8 20.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.6 19.0 18.8 20.7 18.8 20.7 18.6 19.0 18.8 20.7 18.8 20.7 18.6 19.0 18.8 20.7 14.8 13.6 18.7 17.4 19	Desg Days C C 2.5 1.7 0.0 2.5 1.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Des Days C 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Rain Main 1.0 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Snow  Comparent	Precip 10 6.6 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		of Hax Cust IO's Deg	of Max Gust

#### Appendix A:

 The following table provides summary statistics on corrected water quality data from the Humber River station for the time period of July 14<sup>th</sup> – August 14<sup>th</sup>, 2006.

	Temp- Water (°C)	рН	Conductance (uS/cm)	Diss- Solids (g/L)	% Saturation	Dissolved Oxygen (mg/L)
Max	18.91	7.22	40.67	0.0260	112.36	10.17
Min	14.50	6.90	33.75	0.0211	87.88	7.78
Average	17.03	7.08	36.13	0.0231	100.02	8.99
Standard	0.80	0.07	1.70	0.0011	6.98	0.71
Deviation						

• The following table provides summary statistics on **corrected** water quality data for the Humber River station dating back to December 2003.

	Temp- Water (°C)	рН	Conductance (uS/cm)	Diss- Solids (g/L)	% Saturation	Dissolved Oxygen (mg/L)
Max	20.67	7.68	44.85	0.0287	148.1	20.01
Min	-0.1	5.44	29.52	0.0189	87.71	7.78
Average	7.47	6.83	37.12	0.0238	99.93	12.03
Standard	5.82	0.32	2.92	0.0018	8.45	2.08
Deviation						

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