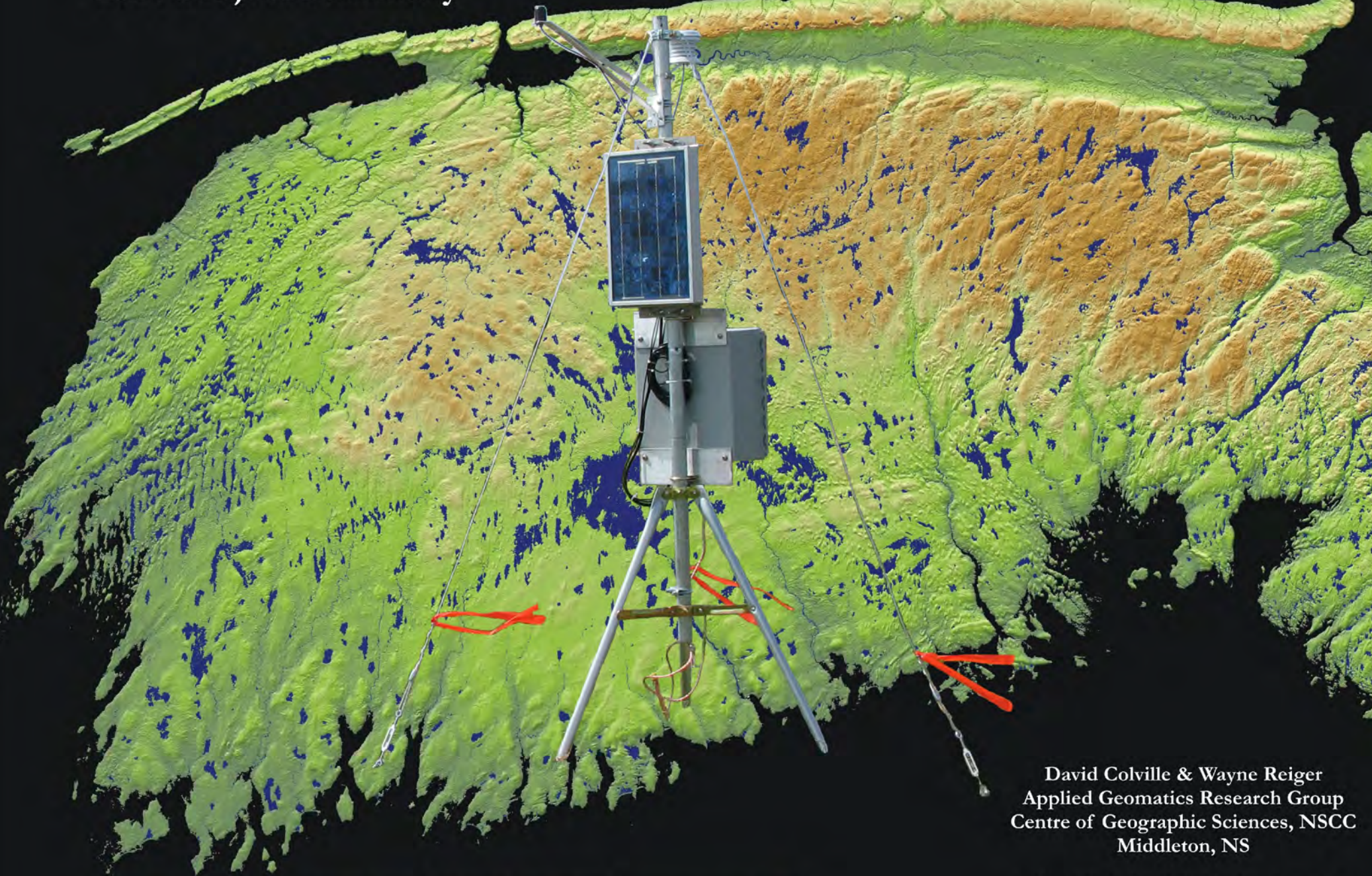


Southwest Nova Scotia (SWNS) Weather Study

2014 Project Summary



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Southwest Nova Scotia Weather Study

2014 Project Summary

Applied Geomatics Research Group



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Southwest Nova Scotia Weather Study - 2014 Project Overview

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Introduction

Early in 2011, the three Community Business Development Corporations (CBDCs) of Yarmouth, Shelburne, and Queens/Lunenburg secured funding from more than a dozen sources to launch a project to assess weather conditions and their influence on agriculture potential. Their area of interest was the counties of Digby, Yarmouth, Shelburne, Queens, and Lunenburg. To implement this three-year project (extended to five years in 2014) the CBDCs approached Perennia (formerly AgraPoint), for their agricultural consulting experience, and the Applied Geomatics Research Group (AGRG), for their years of experience in similar 'weather mapping' initiatives in the Annapolis Valley. The AGRG took the lead in weather station equipment selection, purchase, deployment, maintenance, data collection and processing. This resulted in the deployment of 42 Onset weather stations to measure both temperature and solar radiation (i.e., sunshine units).

Also in 2011, the AGRG deployed 18 more Onset weather stations (with the same specifications as the other 42) within the Kings and Annapolis counties (as a result of an NSERC ARTI grant). These stations replace previously deployed equipment and complement an additional 14 Campbell Scientific stations that the AGRG has had deployed throughout the Annapolis Valley for almost a decade. These 74 stations allow for coverage of the entire South West Nova Scotia (SWNS) geography, and are the focus of this report. The additional 32 stations do not incur any costs for the CBDC project; however, they are a valuable resource to the project since they allow for an excellent comparison to the weather regimes observed in the agriculturally important Annapolis Valley. Additionally, for all 74 stations the AGRG has collected ground-based, aerial, and satellite imagery which will be very useful for measuring the localized conditions around each weather station. Obstructions such as buildings, trees, etc. can have a definite impact on the temperature and solar radiation recorded at a given site and the AGRG's imagery will allow for a quantification of this impact.

Growing Degree Days (GDD) are common units used to quantify temperatures for agricultural purposes. They are calculated by taking the average of the daily maximum and minimum temperatures compared to a base temperature, T_{base} :

$$GDD = \frac{T_{max} + T_{min}}{2} - T_{base}$$

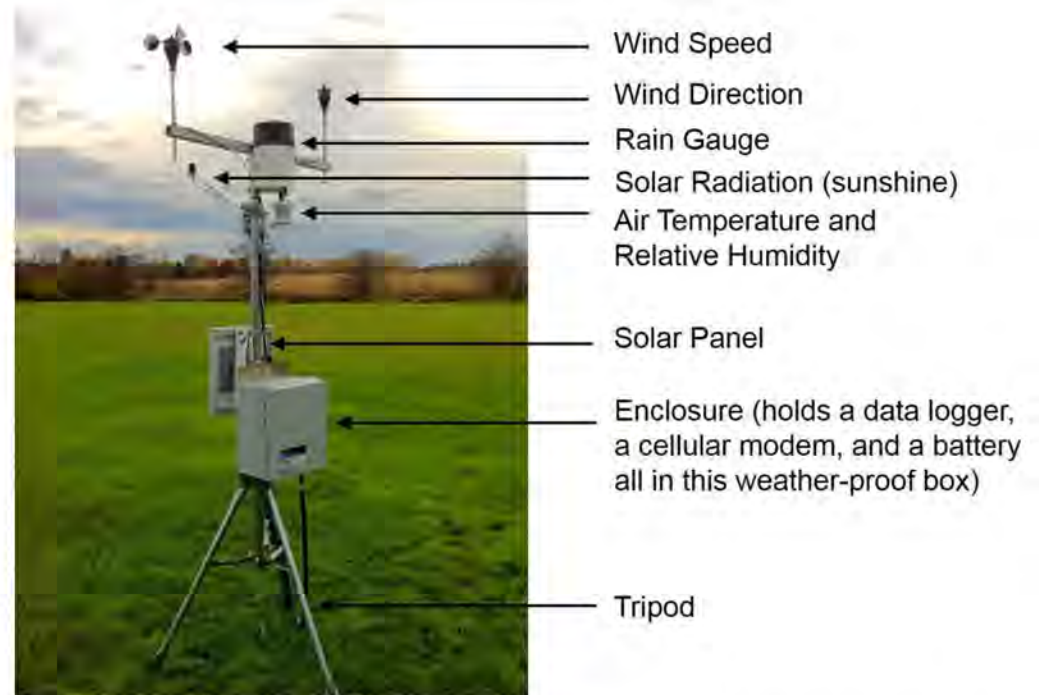
In this study the GDD are calculated using T_{base} values of both 5°C and 10°C to address the criteria of various crop requirements. The Frost Free (FF) period starts after the last spring frost (i.e., a temperature value less than or equal to 0°C) and extends to the killing frost (which for this study has been defined as temperatures less than or equal to -2°C for a period of at least two hours). The frost free period is thus also referred to as the growing season. Solar radiation is the other focus of this study. It is a measure of the amount of sunshine that occurs at a site and is agriculturally important due to the relationship between plants and sunshine, as well as the drying properties of sunshine.

Station Equipment

The Onset stations are the main equipment used in this study and for the first three years (i.e., 2011, 2012 and 2013) they each collected air temperature and solar radiation data. Then in 2014 the project was extended for two more years and additional sensors were deployed: wind speed and direction; relative humidity; rainfall. The AGRG's Campbell Scientific stations have a similar set of sensors plus a few more (i.e., barometric pressure, soil temperature, and soil moisture).

The Onset stations, sold in Canada by Hoskin Scientific Limited, are equipped with a HOBO Micro Station data logger, a CDMA cellular modem, and a 20 Ahr. sealed lead acid battery all enclosed within a Hoffman Nema 4 enclosure. A 5 watt solar panel is used to recharge the battery and all of these components, plus the sensors, are deployed on a 2m tripod. For the first three years each station was equipped with a 12-bit temperature Smart sensor within a radiation shield and a silicon pyranometer sensor (for measuring solar radiation). In 2014 each temperature sensor was replaced with a 12-bit temperature/RH Smart sensor. Additionally, a 0.2mm rainfall Smart sensor and wind speed and direction Smart sensors were added to each of the stations.

The stations now look similar to the one shown here. The sensors are polled every 10 seconds and the data is averaged to produce a data record which is stored on the data logger every five minutes.



The modem is used to automatically transmit the data to the AGRG office through Bell's cellular network and the Internet. A properly operating modem helps to limit the need for site visits to only a couple of times a year for maintenance purposes. The intention is to maintain each station at the same site for the duration of the study. DataGarrison's website (www.datagarrison.com) provides a means of viewing the data results as they are downloaded via the modem.

Station Deployment and Maintenance

Stations were deployed in transects (agreed on through meetings with the CBDC) which start with a station on the coast and move inland. Seven transects (Weymouth, Yarmouth, Clyde River, Shelburne, Liverpool, Bridgewater, and Chester) were identified with the CBDC, and then the AGRG included three additional transects (Kentville, Middleton, and Annapolis Royal), plus Brier Island and the Campbell Scientific stations throughout the Valley. This resulted in a total of 12 transects and coast to coast coverage between the Bay of Fundy and the Atlantic Ocean on the South Shore.

The stations were deployed in open areas as free from obstructions (i.e., trees, buildings, etc.) as could be achieved, in areas that had some degree of protection (i.e., people's yard and not in abandoned locations), in areas that indicated some potential for agricultural opportunities, and in areas that had cellular coverage on Bell's network. Considerable time was spent scouting the SWNS area for sites that met these criteria and negotiating with land owners for their permission to host the stations for the three-year duration of the project. Station deployment began in mid-April: was complete for the CBDC transects by mid-May; was mostly complete by mid-July for the other transects; however, some were not deployed until late August. This variability made station comparisons a little difficult for the 2011 year, but after that the data is complete.

All of the stations within the CBDC transects have modems that transmit data to the AGRG office, and the data continues to be accessible through the DataGarrison website as it is downloaded (i.e., every six hours). The Campbell Scientific stations also transmit their data, and the other Annapolis Valley stations are currently transmitting their data. Stations that transmit their data not only allow for acquiring recent observations, but also allow the AGRG to identify stations that are not working properly and need maintenance. The 2014 growing season had a number of minor (i.e., very short) data gaps at a few stations, but overall the equipment worked well.

Report Contents

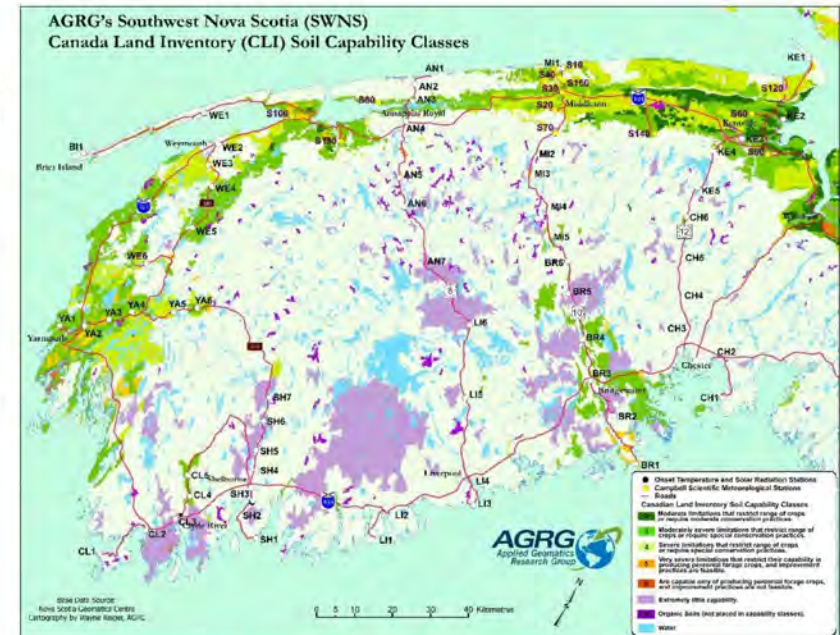
The contents of this 2014 report are made up of a number of components (most of them similar to the two previous reports). This Project Overview is followed by an Agricultural Applications Summary written by John Lewis from Perennia. John's summary provides an interpretation of the data collected as it relates to the agricultural potential of the area. Ten maps of the SWNS geography are provided next (see the next page for a quick description), followed by six tables which summarize the 2014 data from the 74 stations. The remaining content, the largest section of the report, is comprised of a two-page summary for each station (described later in this Overview).

The six data summary tables are:

- Table 1: 2014 Temperature Data Summary
- Table 2: 2014 Base 5°C Heat Unit Accumulation within the April to November Period
- Table 3: 2014 Base 10°C Heat Unit Accumulation within the April to November Period
- Table 4: 2014 Daily Average Solar Radiation within the April to November Period
- Table 5: 2014 Rainfall within the April to November Period
- Table 6: 2011-2014 Annual Temperature Comparison

These tables have been designed to easily allow for comparing results between stations. Each table uses a two-page format to present all stations in this study, and Tables 1 thru 5 have the same first four columns which identify the stations, their locations, and their deployment dates. Table 1 focuses on describing the frost free period, the growing degree days (both Base 5°C and 10°C), and the minimum temperatures recorded at each station. Tables 2 and 3 present the monthly (April to November) growing degree day accumulations using Base 5°C and 10°C respectively. These first three tables list the GGD values and the GDD values that have occurred within the station's frost free period (shown in []). Table 4 focuses on the daily average solar radiation values for the same set of months, and Table 5 focuses on rainfall. Table 6 provides a comparison of temperature results from the first four years of the study (i.e., 2011-2014). There is no table for the wind results; however, wind results are included in the individual station summaries.

Five sets of SWNS maps have been included in this report; the first set provides station location context while the remaining four sets show the heat accumulation and solar radiation results for 2014 back to 2011. The first two maps show the location and Station IDs of the 74 stations on a colourized Digital Elevation Model (DEM) and with Soils Capability information (see the map on the right). The DEM illustrates the elevation of SWNS and thus conveys a sense of the area's topography. There is an obvious link between temperatures, elevations, and a location's proximity to the coast. Some examples of these relationships can clearly be seen based on the heat accumulation values shown on the annual Heat Accumulation maps (see the example below). The Soils Capability mapping has been included to illustrate the locations of the best soils throughout SWNS and the location of the weather stations in relation to them.



For each year of the study, Heat Accumulation results for the growing season (Apr-Nov) are provided on the colourized DEM. These can be compared to the results of Solar Radiation Mapping that the AGRG has conducted in SWNS, which are also provided for the growing season (Apr-Nov). These solar maps illustrate solar radiation (i.e., sunshine) information from two sources: (1) NASA's Geostationary Operational Environmental Satellite (GOES) imagery; and (2) the weather stations throughout SWNS. GOES imagery is freely available for North America and beyond. There is a new, 1km-resolution image available every half hour and these images effectively map the movement of clouds. AGRG has produced software which analyzes these images with a DEM of an area and produces a map of the area's solar radiation. These maps show the results of analyzing more than 6000 images of SWNS for each year (throughout Apr-Nov). Additionally, the summary of corresponding solar radiation data

from the SWNS weather stations has been plotted on the maps. These maps show a good correlation between the two solar radiation sources. This is important in that it illustrates an effective means of mapping solar radiation beyond the locations of where stations have been set up.

The first page of the two-page Station Summary provides a description of the station, while the second page provides a summary of the 2014 weather data:

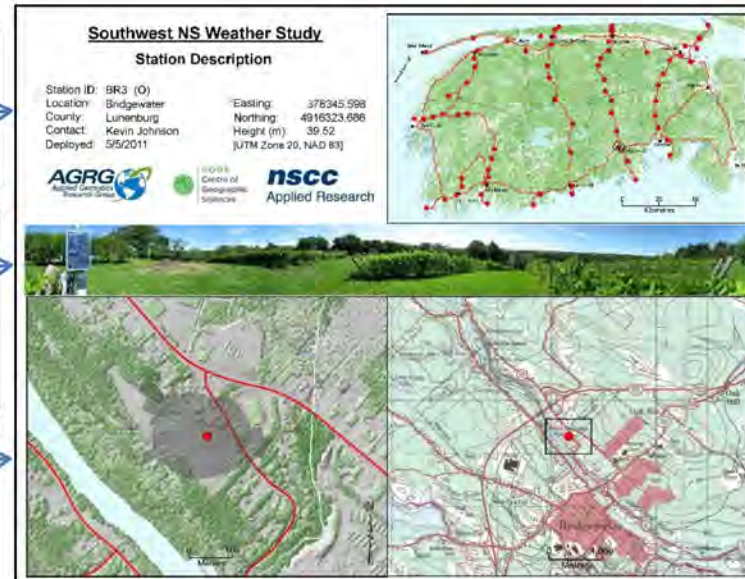
Station Description: a listing of station information. The Station ID also distinguishes Onset (O) from Campbell Scientific (C) stations.

Station Panorama: a panoramic image of the station location. The station is photographed while facing North, South is near the centre of the image, and the far right wraps around back to North.

Station Site Map: a terrain map showing above-ground features (i.e., buildings, trees, etc.) in shades of green (darker is higher). The wind rose portrays the station's wind direction frequency in 32 directional 'slices'. Main roads (red) and lakes/ rivers (blue) are also displayed for reference purposes.

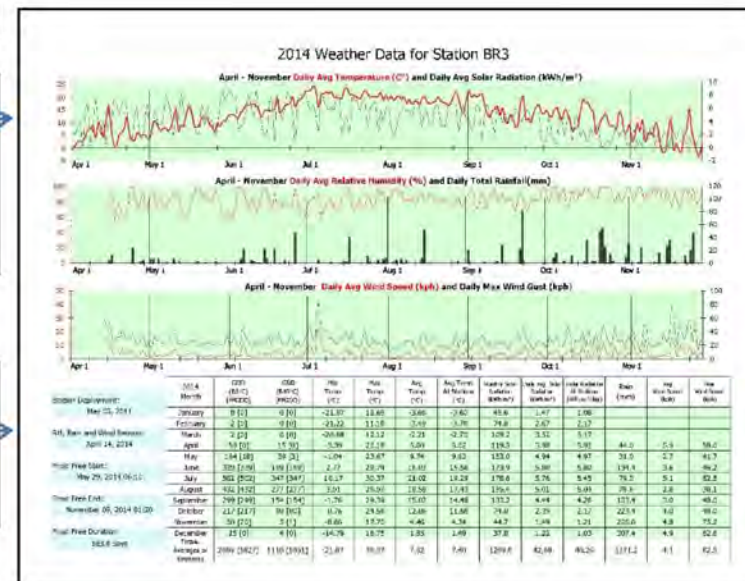
Station Graphs: three graphs depicting six daily weather parameter values for the months of April to November (the months of the agricultural growing season).

Station / Sensor Deployment and Frost Free Dates: if a station was deployed after the Frost Free Start date then the start date will be listed as NA.



Southwest Nova Scotia Stations Map: illustrates the locations of all stations. The current station is outlined in black.

Station Locator Map: a section of a 1:50,000 scale National Topographic System (NTS) map showing the location of the station, as represented by the red dot at the centre of the map. The box around the station indicates the area that is portrayed in the map to the left.



For further information on any of the details of this study please feel free to contact:

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- and the three Community Business Development Corporations – Yarmouth, Shelburne, and Queens/Lunenburg.

In addition, there are a number of people that we would like to acknowledge for the support they have provided:

- Chris Atwood, Dixie Redmond, and Krista Harding from the three respective CBDCs who recognized the value of this project and worked hard to pull many of the funding agents together to make this project happen;
- John Lewis from Perennia who was instrumental in site scouting and deployment of some of the stations;
- Keegan Colville for his efforts in finding sites, deploying stations, processing all of the photographs, and automating the generation of page one of the Station Summaries component of this report;
- and, of course, the many land owners who have allowed us to setup the stations on their properties for the duration of this project.

Agricultural Applications Summary – 2014 Data Analysis

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Background

There are numerous challenges facing the rural economies in Southwest Nova Scotia (SWNS), not the least of which are depopulation and undiversified economies based on fisheries and/or forestry. Historically, many areas throughout the region supported agriculture, usually in the form of small mixed farms, but these have been largely lost in recent decades. While this traditional model may no longer be viable, there are climatic attributes to SWNS that may make alternative agricultural models feasible. One such model is the production of high value perennial fruit crops such as peaches, highbush blueberries, and wine grapes. These relatively new crops to the Province have specific climatic requirements that may best be found in the study region but the climatic variability in this area has only been coarsely defined and a better elaboration is required to attract investors and promote development.

Methods

In a first step toward elaborating the climatic variation in SWNS, forty-two temperature and solar radiation stations were deployed throughout the study region in the spring of 2011. Located along seven transportation corridors leading from coastal sites inland, these stations will help define the best opportunity areas for high value agricultural crops within the region. The seven corridors are identified as Chester (CH), Bridgewater (BR), Liverpool (LI), Shelburne (SH), Clyde (CL), Yarmouth (YA), and Weymouth (WE).

During the summer of 2011, three more corridors through the Annapolis Valley were activated encompassing an additional nineteen weather stations. With corridors through Annapolis Royal (AN), Middleton (MI), and Kentville (KE), these Valley corridors provide an excellent data base from which to compare the seven southwest Nova corridors as the bulk of current high value fruit crops in the Province are located in the Annapolis Valley.

2014 Results

When collecting weather data for a particular region, it is essential to have multiple years of data to capture the unavoidable variation in data. Examination of a single year's data or data from several consecutive "good" years can lead to erroneous characterizations of a site and potentially lead to poorly sited developments which in the case of high value perennial crops tend to be long-term and capital intensive. As such, there is a lot at stake and it is essential that data from poor or "test" years be obtained to provide an accurate risk assessment of a potential development site. The 2014 year was such a test year, characterized by late spring frosts and early fall frosts that dramatically reduced the frost-free period at many sites; reduced heat unit accumulations and winter minima were the lowest of the study to date. Collectively, the 2014 study year helps us separate the wheat from the chaff and identify the true winners in the study region and avoid erroneous characterizations that may have been indicated by data from previous years.

Frost-free Data

The 2014 year was characterized by late spring frosts and early fall frosts that dramatically shortened the frost-free period at many sites that had previously presented themselves as superior in this respect. Frost-free period is an extremely important site descriptor for many high value crops (such as wine grapes) as it is the effective growing season for which thresholds exist and below which these crops should not be grown. For example, sites with frost-free periods below 150 days are considered to have poor suitability for wine grape production.

Ideally, a site would perform predictably from year to year with little year-to-year variability. In contrast, sites with occasional late spring or early fall frosts increase the risk associated with a site and although the long-term averages for the site may seem acceptable these higher risk sites are less desirable and outright crop failures may occur that may compromise the viability of the site for long-term high value crop production. Interestingly, the frost events of 2014 help us assess the risks of these sites and this can be easily captured with a simple calculation of standard deviation (SD) from the 2011-2014 data. It is not surprising that the sites with the highest SD's generally are those with the shortest frost-free periods in 2014. The Yarmouth (YA) corridor data aptly demonstrates this observation and is presented below in Table 1. In particular, the YA4 site data appears suitable for production of a long season crop like wine grapes with frost-free periods in excess of 150 from 2011-2013 and a 4-year average that is above 150 days but the site had both a late spring frost and early fall frost that shortened the frost-free period to only 113 days in 2014 and exhibited a high risk for development that is captured in the SD which is by far the highest of all sites in this study corridor.

Table 1. Yarmouth corridor frost-free data from 2011-2014 with means and standard deviation (SD)

Station ID	Frost-free period (days)					SD (days)
	2011	2012	2013	2014	Mean	
YA1	197	214	191	186	197	12.1
YA2	197	194	177	186	188	9.1
YA3	197	190	186	186	190	5.3
YA4	167	169	160	113	152	26.4
YA5	167	177	176	199	180	13.6
YA6	212	191	184	190	194	12.3

Collectively, eight of the ten corridors had at least one station that was significantly affected by spring and/or fall frosts that dramatically reduced the frost-free period. Not surprisingly these were always accompanied by a significant increase in the SD value and the risk it indicates. The only corridors without significant frost effects in 2014 were the Weymouth and Kentville corridors.

As demonstrated in Table 1, test years such as 2014 are important for identifying high risk sites but also add confidence to the sites that continue to perform well in spite of the adverse weather events being seen elsewhere. As one can see from the data above, the other sites in the Yarmouth corridor continued to present long frost-free periods in 2014 as seen in previous years and reassure us that this corridor does indeed have sustained long frost-free periods deep into the interior of the province. Stations YA5 and YA6 are particularly interesting as sites so deep into the interior would be expected to have a higher risk of late spring and/or early fall frosts. However, these sites as well as other notable sites such as CH6, LI5, SH6, WE5, and MI5 prove they indeed have exceptional microclimates that continue to illustrate desirable characteristics for high value crop production even in test years such as 2014. What are the microclimate features that are facilitating this sustained performance and are there other unidentified areas in the deep interior that share these conditions and likewise present excellent opportunity areas for high value crop production?

Growing Degree-Day Data

The 2014 year was a test year for heat accumulation as well as frost-free period, with an average of only 917 base 10 growing degree-days (GDD's) for the frost-period of all stations, compared to 980 in 2013 and 1078 in 2012. This again presents opportunities to identify high risk sites that may have appeared suitable previously for many of the high opportunity crops discussed earlier. One excellent example of this is coastal stations that may have previously been above the minimum 900 GDD threshold identified for wine grape production. This is clearly apparent in the Weymouth corridor where based on the previous two years data as well as the 2012-2014 average the coastal station in Sandy Cove on the Digby Neck would appear to be a suitable site for wine grape with respect to the 900 GDD qualifier (see Table 2). However, in 2014 the site had only 832 GDD's and demonstrated the high-variance / high-risk SD that is undesirable for production of high investment crops such as wine grapes, highbush blueberries and others. We also see this effect in the Annapolis corridor (data not shown).

Table 2. Weymouth corridor growing degree-day data (Base 10 for frost-free period) from 2012-2014 with means and standard deviation (SD)

Station ID	Growing degree-days (Base 10 for frost-free period)				SD (GDD's)
	2012	2013	2014	Mean	
WE1 (Sandy C.)	1039	906	832	926	105
WE2	1073	978	904	985	85
WE3	1065	955	936	985	70
WE4	1117	1023	965	1035	77
WE5	1149	1062	1031	1081	61
WE6	1089	1030	952	1024	69

The shortened frost-free periods of many sites in 2014 not only reduce the effective growing season for high value crops like wine grapes but understandably also directly reduce the associated growing degree-days. Twenty-five stations were below the 900 GDD threshold in 2014 and all of these except for eight coastal stations had significantly shortened frost-free periods due to either late spring frosts, early fall frosts or both. It is also noteworthy that the vast majority of these stations were the deep interior stations that we would typically expect to have higher frost risk but may not have demonstrated this previously. Exceptions to this were several deep inland stations including CH6, LI5, SH6, YA5, YA6, WE5 and MI5 that continue to demonstrate excellent frost-free and GDD numbers. These sites no doubt have significant microclimate features that help them behave outside the norm and show us that suitable deep inland sites can be found in southwest Nova; however, these microclimate features must be elaborated to help developers avoid the risks normally associated with these sites.

Winter minimum data

The 2014 study year was the coldest of the three years for which there is complete data with an average winter minimum temperature of -21.3 °C compared to -21.1 in 2013 and a balmy -15.9 in 2012. While 2014 was perhaps not a test year with respect to this parameter, it still provides another cold season look at the region and the risks associated with colder sites. Using -23 as a moderate risk threshold for winter sensitive perennial crops like wine grapes, highbush blueberries and peaches, and -26 as a high risk threshold we see that a number of sites are problematic. There were seventeen stations below -23 in 2014 and four of these were below -26. These stations were predominantly stations located deeper in the respective corridors again demonstrating the higher risk associated with these sites. It is also very noteworthy that when examining the three-year data, means and standard deviations of the winter minimum data, we see that the highest SD's were associated with the coldest station in eight of the ten corridors, further demonstrating the higher risk associated with these sites. The Bridgewater corridor is an excellent example of this with stations BR4, BR5, and BR6 all having winter minima below -23 and station BR5 below -26 with the highest SD.

Table 3. Bridgewater corridor winter minimum temperatures from 2012-2014 with mean and standard deviations (SD).

Station ID	Winter minimum temperature (°C)				SD (°C)
	2012	2013	2014	Mean	
BR1	-14.4	-17.7	-17.3	-16.5	1.8
BR2	-15.1	-22.1	-19.8	-19.0	3.6
BR3	-16.1	-22.4	-21.9	-20.1	3.5
BR4	-18.3	-24.3	-24.5	-22.4	3.5
BR5	-19.0	-26.2	-27.8	-24.3	4.7
BR6	-19.3	-26.1	-25.4	-23.6	3.7

However, once again there are exceptions to these trends and we see that there continue to be stations located in the deep interior that perform well with winter minima above -23. Not surprisingly it is the stations identified previously for frost-free and GDD's that are in this category and once again they are CH6, LI5, SH6, YA5, YA6, WE5, and MI5. The microclimate features of these stations bear a closer look if we are to locate and identify other surprisingly desirable stations in the deep interior of the province.

Solar Data

Solar data continued to show little variability in 2014 with an average of 32.4 kWhr/m² for all stations compared to 31.6 in 2013 and 32.5 in 2012. Moreover, there continued to be little difference between coastal station solar numbers compared to inland stations with an average of 32.6 kWhr/m² for the 10 coastal stations from 2012-2014 compared to 31.8 for the furthest inland stations (data not shown). Once again this is a surprise as higher levels of fog at coastal stations were expected to reduce solar values significantly but this has yet to be demonstrated. If foggy years with associated solar depression are to be the significant risk factor for sun-loving crops like wine grapes, this has yet to be demonstrated and a test year would be greatly valued at this point in the study.

Perhaps the one aspect of solar radiation that is proving of value is solar consistency from year to year. Using standard deviation (SD) as a measure of year-to-year variability we see that the Yarmouth and Weymouth corridors had the most solar variability from 2012 to 2014 while the Kentville and Annapolis corridor had the least (Table 4). This is of value for crops like wine grapes where consistent sunlight from year-to-year is desirable.

Table 4. Solar radiation means with standard deviations for each study corridor from 2012-2014.

Corridor	Solar radiation (kWhr/m ²)				SD (kWhr/m ²)
	2012	2013	2014	Mean	
Chester	32.3	31.3	30.9	31.5	0.7
Bridgewater	32.8	31.7	32.0	32.2	0.6
Liverpool	33.1	31.7	32.8	32.5	0.8
Shelburne	32.0	31.5	32.5	32.0	0.5
Clyde	32.6	31.7	33.3	32.5	0.8
Yarmouth	32.5	31.0	33.7	32.4	1.4
Weymouth	33.8	31.4	33.9	33.0	1.4
Annapolis	31.9	31.8	32.2	32.0	0.2
Middleton	32.4	32.3	31.3	32.0	0.6
Kentville	31.7	31.9	31.8	31.8	0.1

Precipitation Data

Precipitation sensors were added to each of the stations in 2014 and although full season (April – November) data is not available for all sites a valid comparison for August to November, representing late summer and fall, is possible and of interest. Long-term normals for the region suggest that the South Shore corridors should be wetter and this was borne out with only the half season of data collected in 2014 with the Bridgewater, Liverpool, Shelburne and Clyde corridors being the wettest while the Yarmouth, Weymouth, and the Valley corridors were the driest (Table 5). The Chester corridor was the surprise in being considerably drier than its other South Shore partners.

Table 5. August to November precipitation means for study corridors in 2014.

Corridor	Aug – Nov Precipitation (mm)
Chester	496
Bridgewater	589
Liverpool	623
Shelburne	609
Clyde	656
Yarmouth	482
Weymouth	494
Annapolis	506
Middleton	478
Kentville	489

Summary

2014 was a test year for frost-free period and growing degree-day (GDD) accumulation with many sites in the study region falling below established thresholds for these variables. In many cases these were stations that previously appeared satisfactory with respect to these qualifiers so the 2014 year is essential for helping to separate the “wheat from the chaff” as the old saying goes and elucidating the true risk associated with a site. In general, coastal sites and deep inland sites were the most problematic but there were notable exceptions that continue to demonstrate superior climatic suitability including stations CH6, LI5, SH6, YA5, YA6, WE5, and MI5. Even coastal stations like MI1 continued to show satisfactory values for high value crops such as wine grapes, highbush blueberries, peppers, melons and more. These are exciting results and beg the question of “what are the microclimate features of these sites that afford such desirable results even in a test year such as 2014”? With this knowledge, additional exceptional sites may be identified in what were previously thought to be undesirable areas of the province for capital intensive crops such as above.

Although not a test year for winter minima, the 2014 year could be characterized as a cold year with 17 stations having winter minima below -23, many of which were the deeper inland sites, thereby demonstrating the higher risk associated with inland development sites. However, once again there were exceptions to this general observation and several of the deep interior sites proved to be milder. Not surprisingly, the CH6, LI5, SH6, YA5, YA6, WE5, and MI5 stations were among this number and once again prove that surprisingly desirable microclimates can be found where they would not be expected. These sites warrant a closer examination for the microclimate features they possess so as to identify with confidence other areas in the study region that have potential for high value crop production.

Solar radiation data continued to be unexciting in 2014 suggesting that there are no significant locational advantages within the study region. A test year is sorely needed to elucidate if there are in fact any high risk or advantageous areas within the study region with respect to this climate variable.

Although only a half season of precipitation data was collected in 2014, it did demonstrate the south shore corridors, with the exception of Chester, were wetter than the Valley, Yarmouth and Weymouth corridors. It will be interesting to see if this finding continues with full season data in future and if there are any implications for production of rain-averse crops such as day-neutral strawberries.

In conclusion, the 2014 year was a test year for several of the climatic variables being studied and effectively showed the weaknesses of a number of sites that had previously proven desirable. However, many sites continued to demonstrate data comparable or superior to those obtained from the benchmark stations in the Annapolis Valley. Even more exciting were a number of truly exceptional sites located on the coast or in the deep interior that continued to show superior climate data in spite of the challenging conditions that 2014 presented. It is these sites that bear closer scrutiny in hopes of better understanding the geographic features that account for their sustained good performance.

Table 1: 2014 Temperature Data Summary (FFGDD = Frost Free Growing Degree Days; GDD = Growing Degree Days)

Station ID	Location	Contact	Deployment Date	Frost Free Start (>0°C)	Frost Free End (<=-2°C >= 2 hours)	Frost Free Days	Total GDD Base 5°C [FFGDD]	Total GDD Base 10°C [FFGDD]	Min Temp (°C)
AN1	Parkers Cove	Dennis Kingston	7/12/2011	29/05/14 5:40	21/11/14 23:35	176.7	1886 [1662]	914 [862]	-16.20
AN2	Parker Mountain	Stuart Robinson	7/12/2011	29/05/14 5:50	21/11/14 22:55	176.7	1959 [1728]	989 [939]	-19.70
AN3	Granville Ferry	D. Butler & J. Burnell	7/12/2011	31/05/14 5:55	08/11/14 20:30	161.6	1979 [1697]	1014 [950]	-24.54
AN4	Annapolis	Susan & Gene Lane	7/12/2011	31/05/14 6:10	08/11/14 19:05	161.5	2004 [1727]	1050 [987]	-24.99
AN5	Milford	Jim Langmire	7/12/2011	29/05/14 6:50	08/11/14 21:15	163.6	1948 [1704]	1013 [958]	-25.73
AN6	South Milford	Leslee Fredericks	7/12/2011	31/05/14 6:16	20/09/14 5:55	112.0	1888 [1382]	972 [827]	-24.99
AN7	Maitland Bridge	KNP & NHS	8/24/2011	31/05/14 5:58	20/09/14 4:45	111.9	1966 [1421]	1024 [865]	-24.60
BI1	Brier Island	David Pugh	8/26/2011	30/04/14 6:47	21/11/14 21:20	205.6	1803 [1724]	803 [798]	-14.87
BR1	Kingsburg	Donna & Scott Fleming	5/6/2011	30/04/14 6:50	15/11/14 5:40	199.0	1778 [1738]	846 [846]	-17.30
BR2	Crouse Settlement	Bev Martel	5/3/2011	26/05/14 6:05	15/11/14 4:00	172.9	2053 [1836]	1079 [1038]	-19.79
BR3	Bridgewater	Kevin Johnson	5/5/2011	29/05/14 5:30	09/11/14 1:20	163.8	2099 [1827]	1110 [1051]	-21.87
BR4	Northfield	Wayne Broom	5/3/2011	29/05/14 6:10	08/11/14 20:55	163.6	2087 [1820]	1112 [1053]	-24.49
BR5	New Germany	Bill Woodworth	6/8/2011	30/05/14 5:58	20/09/14 5:40	113.0	1979 [1432]	1030 [870]	-27.77
BR6	Cherryfield	Kevin Munro	5/5/2011	29/05/14 6:15	20/09/14 5:40	114.0	1948 [1428]	1014 [862]	-25.38
CH1	Blanford	Jeff Hogue	5/17/2011	02/06/14 5:35	11/11/14 4:00	161.9	1697 [1532]	789 [774]	-21.82
CH2	East Chester	Christopher Field	5/17/2011	26/05/14 6:35	09/11/14 1:05	166.8	1892 [1705]	942 [919]	-19.56
CH3	Chester Grant	Linda & Bruce Brophy	5/17/2011	29/05/14 6:20	08/11/14 21:55	163.6	1957 [1736]	1013 [974]	-22.27
CH4	Seffernsville	Rudy & Donald Seffern	5/14/2011	29/05/14 6:25	08/11/14 22:20	163.7	1954 [1735]	1012 [971]	-20.98
CH5	New Ross	Kelly Munroe	5/14/2011	29/05/14 6:20	20/09/14 6:35	114.0	1867 [1385]	956 [819]	-24.38
CH6	Aldersville	Jackie Russell	5/14/2011	29/05/14 4:25	14/11/14 21:35	169.7	1874 [1678]	968 [924]	-22.37
CL1	Clark's Harbour	Jimmy Newell	5/11/2011	17/04/14 8:50	29/11/14 5:25	225.9	1743 [1695]	727 [725]	-14.16
CL2	Barrington	Sid Smith	4/28/2011	30/04/14 7:10	15/11/14 19:35	199.5	1952 [1851]	952 [944]	-17.21
CL3	Clyde River	Larry Nickerson	5/11/2011	29/05/14 6:00	19/09/14 23:40	113.7	1924 [1350]	955 [790]	-21.03
CL4	Clyde River	Peter Sutherland	4/28/2011	30/05/14 6:50	19/09/14 22:05	112.6	1930 [1361]	970 [806]	-23.62
CL5	Clyde River	Ruth Hemeon	4/28/2011	02/06/14 6:00	19/09/14 23:00	109.7	1956 [1368]	1001 [823]	-22.68
KE1	Scotts Bay	Kathleen & Darren Huntley	7/13/2011	29/05/14 5:25	15/11/14 5:20	170.0	1748 [1562]	812 [779]	-22.58
KE2	Canning	Simon Rafuse	7/13/2011	26/05/14 5:43	09/11/14 1:00	166.8	2066 [1809]	1093 [1030]	-21.97
KE3	Kentville	Jeff Franklin	7/13/2011	29/05/14 6:07	09/11/14 1:25	163.8	2095 [1827]	1132 [1062]	-22.02
KE4	South Alton	Dianna & Daniel Niema	7/13/2011	26/05/14 2:50	15/11/14 1:05	172.9	1947 [1737]	1031 [980]	-22.02
KE5	South Forest Home	Kirk Keddy	7/13/2011	31/05/14 5:53	31/10/14 7:35	153.1	1803 [1612]	941 [893]	-26.25
LI1	East Port L'Hebert	Dirk Van Loon	5/12/2011	30/04/14 6:26	15/11/14 4:05	198.9	1923 [1832]	945 [940]	-18.39
LI2	Robertson Loop	C. & D. Robertson	5/12/2011	30/04/14 7:41	15/11/14 3:25	198.8	2046 [1943]	1049 [1037]	-18.08
LI3	Strawberry Point	Betty Richardson	5/4/2011	30/04/14 6:45	15/11/14 4:25	198.9	1793 [1716]	827 [825]	-18.03
LI4	Liverpool	Larry Cochrane	5/12/2011	30/04/14 7:35	15/11/14 5:30	198.9	2030 [1921]	1041 [1026]	-18.47
LI5	Middlefield	Hillsview Acres	5/4/2011	30/04/14 7:45	15/11/14 3:25	198.8	2075 [1964]	1085 [1067]	-19.61
LI6	South Brookfield	Mel Waterman	5/4/2011	01/06/14 5:50	20/09/14 5:00	111.0	2017 [1425]	1053 [873]	-24.60

Table 1: 2014 Temperature Data Summary (FFGDD = Frost Free Growing Degree Days; GDD = Growing Degree Days)

Station ID	Location	Contact	Deployment Date	Frost Free Start (>0°C)	Frost Free End (<=-2°C >= 2 hours)	Frost Free Days	Total GDD Base 5°C [FFGDD]	Total GDD Base 10°C [FFGDD]	Min Temp (°C)
MI1	Moshers Corner	David Colville	8/13/2011	29/05/14 6:00	15/11/14 6:45	170.0	1913 [1685]	951 [904]	-19.61
MI2	Albany	Christine & John Skaling	7/14/2011	31/05/14 6:35	19/09/14 23:10	111.7	1841 [1357]	946 [805]	-27.09
MI3	Squirreltown	Don McPherson	7/14/2011	29/05/14 5:43	08/11/14 23:50	163.8	1867 [1637]	964 [913]	-20.88
MI4	Dalhousie	John Blyde	8/24/2011	29/05/14 6:40	20/09/14 6:55	114.0	1949 [1439]	1021 [871]	-23.46
MI5	Springfield	Robert Whynot	7/14/2011	30/04/14 9:01	09/11/14 2:25	192.7	1976 [1887]	1032 [1018]	-20.93
SH1	Lockes Island	Marilyn & Stewart Moore	5/12/2011	21/04/14 6:30	15/11/14 18:00	208.5	1970 [1884]	959 [954]	-17.51
SH2	Sandy Point	NSCC Shelburne	4/27/2011	30/04/14 6:35	20/09/14 4:40	142.9	2083 [1616]	1083 [932]	-19.42
SH3	Shelburne	Ivan Spears	5/12/2011	30/05/14 5:55	20/09/14 4:20	112.9	1734 [1422]	946 [860]	-22.89
SH4	Lower Ohio	Rick Bower	4/28/2011	02/06/14 6:25	19/09/14 22:00	109.6	1885 [1334]	953 [791]	-25.67
SH5	Lower Ohio	Rick Bower	4/27/2011	30/05/14 5:55	19/09/14 23:55	112.8	1995 [1405]	1022 [846]	-24.65
SH6	Middle Ohio	Ted Siegel	4/27/2011	30/04/14 6:55	15/11/14 3:30	198.9	2198 [2056]	1163 [1137]	-19.47
SH7	Upper Ohio	Leonard Bower	4/27/2011	14/05/14 6:23	20/09/14 5:50	129.0	2023 [1511]	1060 [908]	-21.82
WE1	Sandy Cove	Andre D'Entremont	5/11/2011	29/05/14 6:40	16/11/14 5:00	170.9	1843 [1604]	872 [832]	-17.68
WE2	Weymouth North	Paul Weaver	4/29/2011	31/05/14 6:05	16/11/14 4:40	168.9	1941 [1664]	968 [904]	-18.47
WE3	Weaver Settlement	Andrew Weaver	4/21/2011	29/05/14 6:45	08/11/14 21:30	163.6	1959 [1687]	996 [936]	-18.92
WE4	Hassett	Nellie & David Russell	4/29/2011	29/05/14 6:50	15/11/14 7:10	170.0	2020 [1732]	1029 [965]	-18.25
WE5	Corberrie	Kevin Gaudet	4/29/2011	14/05/14 5:40	15/11/14 7:13	185.1	2059 [1882]	1062 [1031]	-18.25
WE6	Hectanooga	Rudy & Henny Zwaga	5/11/2011	29/05/14 6:20	16/11/14 3:00	170.9	1997 [1725]	1009 [952]	-18.56
YA1	Cheggoggin	Chris Tedford	4/20/2011	14/05/14 5:40	16/11/14 7:15	186.1	1819 [1675]	828 [816]	-16.66
YA2	South Ohio	Truman Hurlburt	4/20/2011	14/05/14 6:23	16/11/14 4:40	185.9	1982 [1811]	979 [957]	-17.17
YA3	Deerfield	Neil Nicholl	4/19/2011	14/05/14 6:26	16/11/14 4:30	185.9	1991 [1823]	999 [974]	-17.38
YA4	Pleasant Valley	Leonard Sabine	4/19/2011	30/05/14 4:50	20/09/14 3:55	113.0	1938 [1353]	969 [793]	-22.22
YA5	Kemptville	Kyle Roberts	4/20/2011	30/04/14 7:20	15/11/14 8:15	199.0	2087 [1970]	1075 [1059]	-19.06
YA6	East Kemptville	DNR	4/20/2011	09/05/14 7:00	15/11/14 2:42	189.8	2056 [1913]	1050 [1032]	-18.25
S10	Moshers Corner	David Colville	9/3/2002	29/05/14 6:00	15/11/14 7:05	170.0	1913 [1685]	951 [904]	-19.61
S20	West Nictaux	Ivan Shilliday	9/9/2003	29/05/14 6:10	20/09/14 7:15	114.0	1922 [1383]	986 [829]	-27.99
S30	Middleton	David Colville	9/9/2003	29/05/14 6:20	08/11/14 22:25	163.7	2015 [1749]	1057 [996]	-27.72
S40	South Mountain	Gregory Dixon	5/12/2004	29/05/14 6:00	15/11/14 7:05	170.0	1793 [1651]	901 [866]	-20.81
S60	Sheffield Mills	Dale Hebb	9/19/2003	29/05/14 6:20	09/11/14 0:10	163.7	1920 [1818]	1006 [986]	-21.76
S70	Nictaux South	Marian & Gordon Foster	9/16/2003	29/05/14 6:10	09/11/14 0:10	163.8	1725 [1545]	857 [820]	-22.03
S80	Port Royal	Allan Sloan	9/30/2003	29/05/14 6:30	09/11/14 1:35	163.8	1923 [1651]	951 [901]	-19.16
S90	Gaspereau	Chris Wescott	9/30/2003	29/05/14 6:10	14/11/14 22:45	169.7	2080 [1823]	1120 [1048]	-23.90
S100	Marshalltown	Carl Seely	9/30/2003	31/05/14 6:50	16/11/14 5:00	170.9	1862 [1621]	892 [854]	-21.30
S120	Ross Creek	Bill Crowson	5/17/2004	26/05/14 5:40	15/11/14 2:50	172.9	1768 [1606]	880 [848]	-23.84
S130	Bear River	Phyllis & Robert Wood	5/13/2004	29/05/14 7:45	15/11/14 7:05	173.0	1965 [1707]	1005 [948]	-19.82
S160	Lily Lake	John Briere	12/15/2006	30/04/14 7:50	09/11/14 1:45	198.9	1850 [1777]	933 [921]	-21.00

Table 2: 2014 Base 5°C Heat Unit Accumulation within the April to November Period (FFGDD = Frost Free Growing Degree Days; GDD = Growing Degree Days)

Station ID	Location	Contact	Deployment Date	Apr GDD [FFGDD]	May GDD [FFGDD]	Jun GDD [FFGDD]	Jul GDD [FFGDD]	Aug GDD [FFGDD]	Sep GDD [FFGDD]	Oct GDD [FFGDD]	Nov GDD [FFGDD]	Total GDD [FFGDD]
AN1	Parkers Cove	Dennis Kingston	7/12/2011	53 [0]	134 [9]	278 [278]	444 [444]	371 [371]	293 [293]	228 [228]	58 [39]	1859 [1662]
AN2	Parker Mountain	Stuart Robinson	7/12/2011	50 [0]	150 [16]	322 [322]	471 [471]	385 [385]	284 [284]	218 [218]	49 [32]	1929 [1728]
AN3	Granville Ferry	D. Butler & J. Burnell	7/12/2011	50 [0]	178 [6]	338 [338]	467 [467]	398 [398]	279 [279]	199 [199]	35 [10]	1944 [1697]
AN4	Annapolis	Susan & Gene Lane	7/12/2011	53 [0]	176 [6]	347 [347]	495 [495]	399 [399]	284 [284]	189 [189]	29 [7]	1972 [1727]
AN5	Milford	Jim Langmire	7/12/2011	46 [0]	172 [18]	341 [341]	475 [475]	398 [398]	278 [278]	188 [188]	27 [6]	1925 [1704]
AN6	South Milford	Leslee Fredericks	7/12/2011	44 [0]	158 [6]	332 [332]	476 [476]	387 [387]	265 [181]	177 [0]	27 [0]	1866 [1382]
AN7	Maitland Bridge	KNP & NHS	8/24/2011	48 [0]	171 [7]	345 [345]	484 [484]	399 [399]	273 [186]	186 [0]	34 [0]	1940 [1421]
BI1	Brier Island	David Pugh	8/26/2011	30 [0]	143 [143]	275 [275]	355 [355]	374 [374]	296 [296]	235 [235]	64 [46]	1772 [1724]
BR1	Kingsburg	Donna & Scott Fleming	5/6/2011	17 [0]	101 [101]	293 [293]	324 [324]	415 [415]	319 [319]	241 [241]	52 [45]	1762 [1738]
BR2	Crouse Settlement	Bev Martel	5/3/2011	48 [0]	143 [26]	326 [326]	486 [486]	434 [434]	315 [315]	219 [219]	52 [30]	2023 [1836]
BR3	Bridgewater	Kevin Johnson	5/5/2011	59 [0]	164 [18]	339 [339]	502 [502]	432 [432]	299 [299]	217 [217]	50 [20]	2062 [1827]
BR4	Northfield	Wayne Broom	5/3/2011	54 [0]	164 [19]	346 [346]	513 [513]	423 [423]	296 [296]	207 [207]	41 [16]	2044 [1820]
BR5	New Germany	Bill Woodworth	6/8/2011	61 [0]	158 [12]	331 [331]	492 [492]	411 [411]	273 [186]	192 [0]	35 [0]	1953 [1432]
BR6	Cherryfield	Kevin Munro	5/5/2011	53 [0]	163 [18]	338 [338]	487 [487]	403 [403]	265 [182]	183 [0]	32 [0]	1924 [1428]
CH1	Blanford	Jeff Hogue	5/17/2011	16 [0]	95 [0]	262 [256]	365 [365]	386 [386]	281 [281]	225 [225]	45 [19]	1675 [1532]
CH2	East Chester	Christopher Field	5/17/2011	30 [0]	123 [22]	301 [301]	427 [427]	414 [414]	307 [307]	216 [216]	47 [18]	1865 [1705]
CH3	Chester Grant	Linda & Bruce Brophy	5/17/2011	41 [0]	144 [18]	319 [319]	475 [475]	420 [420]	294 [294]	196 [196]	41 [14]	1930 [1736]
CH4	Seffernsville	Rudy & Donald Seffern	5/14/2011	45 [0]	146 [20]	324 [324]	475 [475]	411 [411]	299 [299]	192 [192]	39 [14]	1931 [1735]
CH5	New Ross	Kelly Munroe	5/14/2011	40 [0]	148 [18]	312 [312]	475 [475]	400 [400]	264 [180]	177 [0]	30 [0]	1846 [1385]
CH6	Aldersville	Jackie Russell	5/14/2011	40 [0]	142 [19]	319 [319]	476 [476]	396 [396]	278 [278]	175 [175]	30 [15]	1856 [1678]
CL1	Clark's Harbour	Jimmy Newell	5/11/2011	24 [13]	122 [122]	250 [250]	301 [301]	344 [344]	304 [304]	272 [272]	89 [89]	1706 [1695]
CL2	Barrington	Sid Smith	4/28/2011	37 [0]	155 [155]	316 [316]	414 [414]	395 [395]	300 [300]	235 [235]	62 [36]	1914 [1851]
CL3	Clyde River	Larry Nickerson	5/11/2011	41 [0]	144 [13]	325 [325]	433 [433]	391 [391]	277 [188]	214 [0]	56 [0]	1881 [1350]
CL4	Clyde River	Peter Sutherland	4/28/2011	48 [0]	149 [9]	326 [326]	454 [454]	389 [389]	268 [183]	205 [0]	48 [0]	1887 [1361]
CL5	Clyde River	Ruth Hemeon	4/28/2011	49 [0]	156 [0]	331 [324]	467 [467]	392 [392]	275 [185]	204 [0]	45 [0]	1919 [1368]
KE1	Scotts Bay	Kathleen & Darren Huntley	7/13/2011	26 [0]	126 [11]	268 [268]	389 [389]	363 [363]	285 [285]	215 [215]	49 [31]	1721 [1562]
KE2	Canning	Simon Rafuse	7/13/2011	55 [0]	175 [30]	336 [336]	500 [500]	422 [422]	302 [302]	205 [205]	40 [14]	2035 [1809]
KE3	Kentville	Jeff Franklin	7/13/2011	59 [0]	173 [20]	342 [342]	517 [517]	427 [427]	304 [304]	205 [205]	37 [12]	2064 [1827]
KE4	South Alton	Dianna & Daniel Niema	7/13/2011	45 [0]	154 [25]	329 [329]	493 [493]	405 [405]	291 [291]	182 [182]	28 [12]	1927 [1737]
KE5	South Forest Home	Kirk Keddy	7/13/2011	39 [0]	143 [6]	307 [307]	483 [483]	386 [386]	263 [263]	167 [167]	13 [0]	1801 [1612]
LI1	East Port L'Hebert	Dirk Van Loon	5/12/2011	37 [0]	120 [120]	320 [320]	400 [400]	411 [411]	310 [310]	233 [233]	65 [38]	1896 [1832]
LI2	Robertson Loop	C. & D. Robertson	5/12/2011	44 [0]	147 [147]	340 [340]	451 [451]	424 [424]	318 [318]	227 [227]	64 [36]	2015 [1943]
LI3	Strawberry Point	Betty Richardson	5/4/2011	26 [0]	112 [112]	299 [299]	323 [323]	400 [400]	301 [301]	239 [239]	67 [42]	1767 [1716]
LI4	Liverpool	Larry Cochrane	5/12/2011	49 [0]	142 [142]	329 [329]	456 [456]	420 [420]	312 [312]	230 [230]	60 [32]	1998 [1921]
LI5	Middlefield	Hillview Acres	5/4/2011	57 [1]	170 [170]	350 [350]	487 [487]	417 [417]	302 [302]	213 [213]	47 [24]	2043 [1964]
LI6	South Brookfield	Mel Waterman	5/4/2011	66 [0]	177 [0]	342 [342]	491 [491]	404 [404]	274 [188]	201 [0]	34 [0]	1989 [1425]

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Station ID	Location	Contact	Deployment Date	Apr GDD [FFGDD]	May GDD [FFGDD]	Jun GDD [FFGDD]	Jul GDD [FFGDD]	Aug GDD [FFGDD]	Sep GDD [FFGDD]	Oct GDD [FFGDD]	Nov GDD [FFGDD]	Total GDD [FFGDD]
MI1	Moshers Corner	David Colville	8/13/2011	53 [0]	138 [15]	306 [306]	463 [463]	374 [374]	294 [294]	209 [209]	48 [24]	1885 [1685]
MI2	Albany	Christine & John Skaling	7/14/2011	45 [0]	152 [6]	320 [320]	475 [475]	384 [384]	258 [172]	164 [0]	23 [0]	1821 [1357]
MI3	Squirreltown	Don McPherson	7/14/2011	47 [0]	161 [20]	329 [329]	412 [412]	400 [400]	287 [287]	183 [183]	27 [6]	1846 [1637]
MI4	Dalhousie	John Blyde	8/24/2011	47 [0]	162 [21]	335 [335]	488 [488]	404 [404]	282 [191]	180 [0]	30 [0]	1928 [1439]
MI5	Springfield	Robert Whynot	7/14/2011	46 [1]	163 [163]	338 [338]	483 [483]	411 [411]	294 [294]	189 [189]	32 [8]	1956 [1887]
SH1	Lockes Island	Marilyn & Stewart Moore	5/12/2011	36 [7]	144 [144]	321 [321]	384 [384]	416 [416]	318 [318]	251 [251]	70 [43]	1940 [1884]
SH2	Sandy Point	NSCC Shelburne	4/27/2011	54 [0]	176 [176]	345 [345]	470 [470]	417 [417]	303 [208]	225 [0]	58 [0]	2048 [1616]
SH3	Shelburne	Ivan Spears	5/12/2011	54 [0]	158 [10]	341 [341]	466 [466]	405 [405]	286 [200]	192 [0]	43 [0]	1945 [1422]
SH4	Lower Ohio	Rick Bower	4/28/2011	47 [0]	144 [0]	327 [319]	459 [459]	382 [382]	255 [174]	191 [0]	43 [0]	1848 [1334]
SH5	Lower Ohio	Rick Bower	4/27/2011	67 [0]	178 [11]	340 [340]	466 [466]	400 [400]	276 [188]	199 [0]	45 [0]	1971 [1405]
SH6	Middle Ohio	Ted Siegel	4/27/2011	88 [3]	234 [234]	366 [366]	477 [477]	422 [422]	310 [310]	218 [218]	52 [26]	2167 [2056]
SH7	Upper Ohio	Leonard Bower	4/27/2011	57 [0]	133 [73]	351 [351]	473 [473]	416 [416]	292 [198]	207 [0]	50 [0]	1979 [1511]
WE1	Sandy Cove	Andre D'Entremont	5/11/2011	43 [0]	155 [12]	300 [300]	394 [394]	384 [384]	282 [282]	211 [211]	40 [21]	1809 [1604]
WE2	Weymouth North	Paul Weaver	4/29/2011	56 [0]	160 [5]	311 [311]	443 [443]	385 [385]	280 [280]	217 [217]	46 [23]	1898 [1664]
WE3	Weaver Settlement	Andrew Weaver	4/21/2011	52 [0]	161 [12]	324 [324]	453 [453]	396 [396]	281 [281]	211 [211]	41 [10]	1919 [1687]
WE4	Hassett	Nellie & David Russell	4/29/2011	77 [0]	172 [16]	337 [337]	460 [460]	403 [403]	290 [290]	207 [207]	40 [19]	1986 [1732]
WE5	Corberrie	Kevin Gaudet	4/29/2011	56 [0]	190 [128]	346 [346]	456 [456]	408 [408]	301 [301]	220 [220]	46 [23]	2023 [1882]
WE6	Hectanooga	Rudy & Henny Zwaga	5/11/2011	53 [0]	174 [15]	335 [335]	444 [444]	397 [397]	294 [294]	216 [216]	46 [24]	1959 [1725]
YA1	Chegoggin	Chris Tedford	4/20/2011	40 [0]	138 [98]	274 [274]	377 [377]	363 [363]	287 [287]	244 [244]	59 [32]	1782 [1675]
YA2	South Ohio	Truman Hurlburt	4/20/2011	51 [0]	176 [120]	313 [313]	433 [433]	390 [390]	301 [301]	225 [225]	55 [29]	1944 [1811]
YA3	Deerfield	Neil Nicholl	4/19/2011	49 [0]	173 [116]	327 [327]	437 [437]	396 [396]	299 [299]	221 [221]	50 [27]	1952 [1823]
YA4	Pleasant Valley	Leonard Sabine	4/19/2011	52 [0]	166 [10]	327 [327]	442 [442]	388 [388]	276 [186]	203 [0]	43 [0]	1897 [1353]
YA5	Kemptville	Kyle Roberts	4/20/2011	58 [1]	198 [198]	348 [348]	452 [452]	420 [420]	308 [308]	218 [218]	48 [25]	2050 [1970]
YA6	East Kemptville	DNR	4/20/2011	53 [0]	187 [155]	346 [346]	451 [451]	414 [414]	304 [304]	217 [217]	48 [26]	2020 [1913]
S10	Moshers Corner	David Colville	9/3/2002	53 [0]	138 [15]	306 [306]	463 [463]	374 [374]	294 [294]	209 [209]	48 [24]	1885 [1685]
S20	West Nictaux	Ivan Shilliday	9/9/2003	53 [0]	157 [5]	323 [323]	486 [486]	389 [389]	265 [180]	183 [0]	33 [0]	1889 [1383]
S30	Middleton	David Colville	9/9/2003	53 [0]	171 [17]	343 [343]	502 [502]	408 [408]	281 [281]	187 [187]	35 [11]	1980 [1749]
S40	South Mountain	Gregory Dixon	5/12/2004	35 [0]	115 [12]	299 [299]	462 [462]	369 [369]	278 [278]	186 [186]	33 [15]	1778 [1620]
S60	Sheffield Mills	Dale Hebb	9/19/2003	60 [1]	179 [179]	356 [356]	433 [433]	393 [393]	279 [279]	168 [168]	28 [9]	1896 [1818]
S70	Nictaux South	Marian & Gordon Foster	9/16/2003	40 [0]	132 [17]	298 [298]	460 [460]	365 [365]	257 [257]	146 [146]	15 [2]	1713 [1545]
S80	Port Royal	Allan Sloan	9/30/2003	54 [0]	183 [12]	321 [321]	458 [458]	398 [398]	267 [267]	181 [181]	31 [14]	1893 [1651]
S90	Gaspereau	Chris Wescott	9/30/2003	53 [0]	164 [20]	336 [336]	512 [512]	423 [423]	308 [308]	205 [205]	37 [19]	2038 [1823]
S100	Marshalltown	Carl Seely	9/30/2003	42 [0]	144 [5]	292 [292]	420 [420]	381 [381]	284 [284]	216 [216]	45 [23]	1823 [1621]
S120	Ross Creek	Bill Crowson	5/17/2004	34 [0]	122 [19]	292 [292]	453 [453]	375 [375]	278 [278]	174 [174]	30 [15]	1758 [1606]
S130	Bear River	Phyllis & Robert Wood	5/13/2004	52 [0]	163 [11]	328 [328]	470 [470]	392 [392]	286 [286]	200 [200]	38 [18]	1931 [1707]
S160	Lily Lake	John Briere	12/15/2006	38 [38]	136 [136]	310 [310]	467 [467]	385 [385]	280 [280]	184 [184]	31 [31]	1831 [1831]

Table 3: 2014 Base10°C Heat Unit Accumulation within the April to November Period (FFGDD = Frost Free Growing Degree Days; GDD = Growing Degree Days)

Station ID	Location	Contact	Deployment Date	Apr GDD [FFGDD]	May GDD [FFGDD]	Jun GDD [FFGDD]	Jul GDD [FFGDD]	Aug GDD [FFGDD]	Sep GDD [FFGDD]	Oct GDD [FFGDD]	Nov GDD [FFGDD]	Total GDD [FFGDD]
AN1	Parkers Cove	Dennis Kingston	7/12/2011	14 [0]	29 [0]	128 [128]	289 [289]	216 [216]	144 [144]	84 [84]	7 [1]	911 [862]
AN2	Parker Mountain	Stuart Robinson	7/12/2011	12 [0]	33 [2]	172 [172]	316 [316]	230 [230]	140 [140]	78 [78]	6 [1]	987 [939]
AN3	Granville Ferry	D. Butler & J. Burnell	7/12/2011	12 [0]	46 [1]	188 [188]	312 [312]	243 [243]	137 [137]	69 [69]	4 [0]	1011 [950]
AN4	Annapolis	Susan & Gene Lane	7/12/2011	14 [0]	45 [1]	197 [197]	340 [340]	244 [244]	141 [141]	64 [64]	3 [0]	1048 [987]
AN5	Milford	Jim Langmire	7/12/2011	12 [0]	42 [3]	191 [191]	320 [320]	243 [243]	135 [135]	66 [66]	3 [0]	1012 [958]
AN6	South Milford	Leslee Fredericks	7/12/2011	11 [0]	37 [1]	182 [182]	321 [321]	232 [232]	126 [91]	60 [0]	3 [0]	972 [827]
AN7	Maitland Bridge	KNP & NHS	8/24/2011	14 [0]	41 [2]	195 [195]	329 [329]	244 [244]	134 [95]	63 [0]	3 [0]	1023 [865]
BI1	Brier Island	David Pugh	8/26/2011	1 [0]	17 [17]	125 [125]	200 [200]	219 [219]	147 [147]	87 [87]	6 [3]	802 [798]
BR1	Kingsburg	Donna & Scott Fleming	5/6/2011	0 [0]	8 [8]	143 [143]	169 [169]	260 [260]	169 [169]	92 [92]	5 [5]	846 [846]
BR2	Crouse Settlement	Bev Martel	5/3/2011	9 [0]	27 [3]	176 [176]	331 [331]	279 [279]	169 [169]	79 [79]	6 [1]	1076 [1038]
BR3	Bridgewater	Kevin Johnson	5/5/2011	15 [0]	39 [3]	189 [189]	347 [347]	277 [277]	154 [154]	80 [80]	5 [1]	1106 [1051]
BR4	Northfield	Wayne Broom	5/3/2011	15 [0]	40 [4]	196 [196]	358 [358]	268 [268]	151 [151]	76 [76]	4 [0]	1108 [1053]
BR5	New Germany	Bill Woodworth	6/8/2011	15 [0]	37 [2]	181 [181]	337 [337]	256 [256]	132 [94]	67 [0]	3 [0]	1028 [870]
BR6	Cherryfield	Kevin Munro	5/5/2011	14 [0]	40 [3]	188 [188]	332 [332]	248 [248]	125 [91]	62 [0]	4 [0]	1013 [862]
CH1	Blanford	Jeff Hogue	5/17/2011	0 [0]	10 [0]	114 [113]	210 [210]	231 [231]	135 [135]	84 [84]	5 [1]	789 [774]
CH2	East Chester	Christopher Field	5/17/2011	3 [0]	18 [3]	151 [151]	272 [272]	259 [259]	158 [158]	75 [75]	5 [1]	941 [919]
CH3	Chester Grant	Linda & Bruce Brophy	5/17/2011	7 [0]	29 [4]	169 [169]	320 [320]	265 [265]	149 [149]	67 [67]	4 [0]	1010 [974]
CH4	Seffernsville	Rudy & Donald Seffern	5/14/2011	11 [0]	31 [5]	174 [174]	320 [320]	256 [256]	153 [153]	63 [63]	3 [0]	1011 [971]
CH5	New Ross	Kelly Munroe	5/14/2011	11 [0]	34 [3]	162 [162]	320 [320]	245 [245]	123 [89]	57 [0]	3 [0]	955 [819]
CH6	Aldersville	Jackie Russell	5/14/2011	10 [0]	35 [4]	169 [169]	321 [321]	241 [241]	135 [135]	54 [54]	3 [0]	968 [924]
CL1	Clark's Harbour	Jimmy Newell	5/11/2011	0 [0]	10 [10]	100 [100]	146 [146]	189 [189]	154 [154]	118 [118]	8 [8]	725 [725]
CL2	Barrington	Sid Smith	4/28/2011	3 [0]	31 [31]	166 [166]	259 [259]	240 [240]	153 [153]	94 [94]	4 [1]	950 [944]
CL3	Clyde River	Larry Nickerson	5/11/2011	8 [0]	32 [3]	175 [175]	278 [278]	236 [236]	136 [98]	82 [0]	5 [0]	952 [790]
CL4	Clyde River	Peter Sutherland	4/28/2011	10 [0]	37 [2]	176 [176]	299 [299]	234 [234]	129 [95]	78 [0]	4 [0]	967 [806]
CL5	Clyde River	Ruth Hemeon	4/28/2011	11 [0]	41 [0]	181 [179]	312 [312]	237 [237]	134 [95]	79 [0]	4 [0]	999 [823]
KE1	Scotts Bay	Kathleen & Darren Huntley	7/13/2011	3 [0]	26 [1]	119 [119]	234 [234]	208 [208]	137 [137]	79 [79]	4 [1]	810 [779]
KE2	Canning	Simon Rafuse	7/13/2011	12 [0]	49 [7]	186 [186]	345 [345]	267 [267]	154 [154]	71 [71]	5 [0]	1089 [1030]
KE3	Kentville	Jeff Franklin	7/13/2011	14 [0]	52 [5]	192 [192]	362 [362]	272 [272]	157 [157]	74 [74]	5 [0]	1128 [1062]
KE4	South Alton	Dianna & Daniel Niema	7/13/2011	11 [0]	43 [7]	179 [179]	338 [338]	250 [250]	147 [147]	59 [59]	3 [0]	1030 [980]
KE5	South Forest Home	Kirk Keddy	7/13/2011	10 [0]	39 [1]	157 [157]	328 [328]	231 [231]	122 [122]	54 [54]	0 [0]	941 [893]
LI1	East Port L'Hebert	Dirk Van Loon	5/12/2011	2 [0]	16 [16]	170 [170]	245 [245]	256 [256]	161 [161]	90 [90]	5 [2]	945 [940]
LI2	Robertson Loop	C. & D. Robertson	5/12/2011	7 [0]	26 [26]	190 [190]	296 [296]	269 [269]	169 [169]	86 [86]	5 [1]	1048 [1037]
LI3	Strawberry Point	Betty Richardson	5/4/2011	0 [0]	13 [13]	149 [149]	168 [168]	245 [245]	153 [153]	92 [92]	7 [5]	827 [825]
LI4	Liverpool	Larry Cochrane	5/12/2011	8 [0]	26 [26]	179 [179]	301 [301]	265 [265]	166 [166]	87 [87]	7 [2]	1039 [1026]
LI5	Middlefield	Hillview Acres	5/4/2011	12 [0]	40 [40]	200 [200]	332 [332]	262 [262]	157 [157]	76 [76]	4 [0]	1083 [1067]
LI6	South Brookfield	Mel Waterman	5/4/2011	18 [0]	47 [0]	192 [192]	336 [336]	249 [249]	133 [96]	73 [0]	3 [0]	1051 [873]

Table 3: 2014 Base10°C Heat Unit Accumulation within the April to November Period (FFGDD = Frost Free Growing Degree Days; GDD = Growing Degree Days)

Station ID	Location	Contact	Deployment Date	Apr GDD [FFGDD]	May GDD [FFGDD]	Jun GDD [FFGDD]	Jul GDD [FFGDD]	Aug GDD [FFGDD]	Sep GDD [FFGDD]	Oct GDD [FFGDD]	Nov GDD [FFGDD]	Total GDD [FFGDD]
MI1	Moshers Corner	David Colville	8/13/2011	13 [0]	28 [1]	156 [156]	308 [308]	219 [219]	147 [147]	73 [73]	5 [0]	949 [904]
MI2	Albany	Christine & John Skaling	7/14/2011	12 [0]	40 [1]	170 [170]	320 [320]	229 [229]	120 [85]	52 [0]	3 [0]	946 [805]
MI3	Squirreltown	Don McPherson	7/14/2011	11 [0]	41 [5]	179 [179]	282 [282]	245 [245]	142 [142]	60 [60]	3 [0]	963 [913]
MI4	Dalhousie	John Blyde	8/24/2011	11 [0]	42 [6]	185 [185]	333 [333]	249 [249]	139 [98]	58 [0]	3 [0]	1020 [871]
MI5	Springfield	Robert Whynot	7/14/2011	11 [0]	38 [38]	188 [188]	328 [328]	256 [256]	148 [148]	60 [60]	3 [0]	1032 [1018]
SH1	Lockes Island	Marilyn & Stewart Moore	5/12/2011	1 [0]	21 [21]	171 [171]	229 [229]	261 [261]	170 [170]	100 [100]	5 [2]	958 [954]
SH2	Sandy Point	NSCC Shelburne	4/27/2011	10 [0]	47 [47]	195 [195]	315 [315]	262 [262]	158 [113]	88 [0]	5 [0]	1080 [932]
SH3	Shelburne	Ivan Spears	5/12/2011	10 [0]	36 [2]	191 [191]	311 [311]	250 [250]	142 [106]	73 [0]	5 [0]	1023 [860]
SH4	Lower Ohio	Rick Bower	4/28/2011	12 [0]	35 [0]	177 [174]	304 [304]	227 [227]	119 [86]	72 [0]	4 [0]	950 [791]
SH5	Lower Ohio	Rick Bower	4/27/2011	15 [0]	49 [3]	190 [190]	311 [311]	245 [245]	134 [97]	74 [0]	3 [0]	1021 [846]
SH6	Middle Ohio	Ted Siegel	4/27/2011	19 [0]	85 [85]	216 [216]	322 [322]	267 [267]	166 [166]	81 [81]	4 [0]	1160 [1137]
SH7	Upper Ohio	Leonard Bower	4/27/2011	12 [0]	34 [23]	201 [201]	318 [318]	261 [261]	149 [105]	77 [0]	5 [0]	1057 [908]
WE1	Sandy Cove	Andre D'Entremont	5/11/2011	5 [0]	32 [1]	150 [150]	239 [239]	229 [229]	137 [137]	75 [75]	3 [1]	870 [832]
WE2	Weymouth North	Paul Weaver	4/29/2011	17 [0]	39 [0]	161 [161]	288 [288]	230 [230]	138 [138]	85 [85]	7 [2]	965 [904]
WE3	Weaver Settlement	Andrew Weaver	4/21/2011	15 [0]	37 [0]	174 [174]	298 [298]	241 [241]	140 [140]	83 [83]	5 [0]	993 [936]
WE4	Hassett	Nellie & David Russell	4/29/2011	19 [0]	41 [2]	187 [187]	305 [305]	248 [248]	144 [144]	78 [78]	5 [1]	1027 [965]
WE5	Corberrie	Kevin Gaudet	4/29/2011	14 [0]	51 [40]	196 [196]	301 [301]	253 [253]	156 [156]	84 [84]	4 [1]	1059 [1031]
WE6	Hectanooga	Rudy & Henny Zwaga	5/11/2011	13 [0]	41 [2]	185 [185]	289 [289]	242 [242]	149 [149]	83 [83]	5 [2]	1007 [952]
YA1	Cheggoggin	Chris Tedford	4/20/2011	5 [0]	21 [21]	124 [124]	222 [222]	208 [208]	141 [141]	98 [98]	6 [2]	825 [816]
YA2	South Ohio	Truman Hurlburt	4/20/2011	10 [0]	39 [34]	163 [163]	278 [278]	235 [235]	156 [156]	89 [89]	6 [2]	976 [957]
YA3	Deerfield	Neil Nicholl	4/19/2011	10 [0]	39 [32]	177 [177]	282 [282]	241 [241]	155 [155]	86 [86]	5 [1]	995 [974]
YA4	Pleasant Valley	Leonard Sabine	4/19/2011	11 [0]	38 [2]	177 [177]	287 [287]	233 [233]	135 [94]	79 [0]	5 [0]	965 [793]
YA5	Kemptville	Kyle Roberts	4/20/2011	11 [0]	55 [55]	198 [198]	297 [297]	265 [265]	162 [162]	81 [81]	4 [1]	1073 [1059]
YA6	East Kemptville	DNR	4/20/2011	10 [0]	47 [44]	196 [196]	296 [296]	259 [259]	159 [159]	77 [77]	4 [1]	1048 [1032]
S10	Moshers Corner	David Colville	9/3/2002	13 [0]	28 [1]	156 [156]	308 [308]	219 [219]	147 [147]	73 [73]	5 [0]	949 [904]
S20	West Nictaux	Ivan Shilliday	9/9/2003	13 [0]	41 [1]	174 [174]	331 [331]	234 [234]	126 [89]	61 [0]	4 [0]	984 [829]
S30	Middleton	David Colville	9/9/2003	13 [0]	43 [2]	193 [193]	347 [347]	253 [253]	138 [138]	63 [63]	4 [0]	1054 [996]
S40	South Mountain	Gregory Dixon	5/12/2004	8 [0]	23 [2]	149 [149]	307 [307]	214 [214]	133 [133]	62 [62]	3 [0]	899 [866]
S60	Sheffield Mills	Dale Hebb	9/19/2003	14 [0]	60 [60]	221 [221]	285 [285]	238 [238]	132 [132]	50 [50]	4 [0]	1004 [986]
S70	Nictaux South	Marian & Gordon Foster	9/16/2003	9 [0]	29 [3]	148 [148]	305 [305]	210 [210]	115 [115]	39 [39]	2 [0]	857 [820]
S80	Port Royal	Allan Sloan	9/30/2003	12 [0]	45 [2]	171 [171]	303 [303]	243 [243]	126 [126]	56 [56]	3 [0]	959[901]
S90	Gaspereau	Chris Wescott	9/30/2003	13 [0]	49 [5]	186 [186]	357 [357]	268 [268]	160 [160]	72 [72]	5 [0]	1110 [1048]
S100	Marshalltown	Carl Seely	9/30/2003	5 [0]	29 [0]	143 [143]	265 [265]	226 [226]	139 [139]	80 [80]	4 [1]	891 [854]
S120	Ross Creek	Bill Crowson	5/17/2004	7 [0]	25 [3]	142 [142]	298 [298]	220 [220]	133 [133]	52 [52]	3 [0]	880 [848]
S130	Bear River	Phyllis & Robert Wood	5/13/2004	13 [0]	38 [38]	178 [178]	314 [314]	238 [238]	143 [143]	73 [73]	4 [0]	1001[984]
S160	Lily Lake	John Briere	12/15/2006	8 [8]	27 [27]	160 [160]	312 [312]	230 [230]	135 [135]	57 [57]	4 [1]	932 [888]

Table 4: 2014 Daily Average Solar Radiation within the April to November Period (kWh/m²/day = kilowatt hours per metre² per day)

Station ID	Location	Contact	Deployment Date	Apr (kWh/m ² /day)	May (kWh/m ² /day)	Jun (kWh/m ² /day)	Jul (kWh/m ² /day)	Aug (kWh/m ² /day)	Sep (kWh/m ² /day)	Oct (kWh/m ² /day)	Nov (kWh/m ² /day)	Total Radiation (kWh/m ²)
AN1	Parkers Cove	Dennis Kingston	7/12/2011	3.81	5.17	5.71	5.65	5.10	4.12	2.14	1.05	32.76
AN2	Parker Mountain	Stuart Robinson	7/12/2011	3.94	5.36	5.86	5.78	5.27	4.37	2.15	1.06	33.80
AN3	Granville Ferry	D. Butler & J. Burnell	7/12/2011	3.94	5.17	5.86	5.51	5.00	4.23	2.16	1.09	32.95
AN4	Annapolis	Susan & Gene Lane	7/12/2011	3.73	4.88	5.66	5.37	4.79	4.05	2.07	1.03	31.58
AN5	Milford	Jim Langmire	7/12/2011	3.87	4.77	5.43	5.37	4.79	4.18	2.11	1.18	31.70
AN6	South Milford	Leslee Fredericks	7/12/2011	3.85	4.72	5.44	5.31	4.79	4.06	2.02	1.21	31.40
AN7	Maitland Bridge	KNP & NHS	8/24/2011	3.89	4.72	5.51	5.29	4.73	4.02	2.01	1.14	31.32
BI1	Brier Island	David Pugh	8/26/2011	4.18	5.26	5.99	5.25	5.30	4.31	2.19	1.10	33.58
BR1	Kingsburg	Donna & Scott Fleming	5/6/2011	3.82	4.75	5.61	4.98	5.17	4.27	2.26	1.48	32.33
BR2	Crouse Settlement	Bev Martel	5/3/2011	3.73	4.58	5.44	5.35	4.76	4.11	2.20	1.38	31.57
BR3	Bridgewater	Kevin Johnson	5/5/2011	3.93	4.87	5.72	5.69	4.95	4.38	2.36	1.47	33.38
BR4	Northfield	Wayne Broom	5/3/2011	3.80	4.73	5.42	5.47	4.69	3.95	2.06	1.25	31.36
BR5	New Germany	Bill Woodworth	6/8/2011	3.15	4.69	5.54	5.44	4.78	4.13	2.18	1.33	31.24
BR6	Cherryfield	Kevin Munro	5/5/2011	3.94	4.76	5.70	5.49	4.88	4.17	2.10	1.29	32.32
CH1	Blanford	Jeff Hogue	5/17/2011	3.48	4.29	4.93	4.58	4.44	3.78	2.08	1.25	28.82
CH2	East Chester	Christopher Field	5/17/2011	3.71	4.70	5.07	4.85	4.75	4.05	2.12	1.29	30.55
CH3	Chester Grant	Linda & Bruce Brophy	5/17/2011	3.63	4.50	5.30	5.11	4.43	3.71	1.94	1.19	29.82
CH4	Seffernville	Rudy & Donald Seffern	5/14/2011	3.74	4.81	5.55	5.31	4.64	4.07	2.04	1.30	31.46
CH5	New Ross	Kelly Munroe	5/14/2011	3.82	4.76	5.66	5.58	4.89	4.16	2.16	1.33	32.36
CH6	Aldersville	Jackie Russell	5/14/2011	3.90	4.75	5.68	5.59	4.89	4.20	2.08	1.20	32.29
CL1	Clark's Harbour	Jimmy Newell	5/11/2011	3.98	5.44	6.21	5.32	5.17	4.59	2.45	1.24	34.40
CL2	Barrington	Sid Smith	4/28/2011	4.27	5.52	6.23	5.50	5.35	4.67	2.44	1.29	35.27
CL3	Clyde River	Larry Nickerson	5/11/2011	4.02	5.24	5.87	5.36	5.06	4.32	2.21	1.23	33.31
CL4	Clyde River	Peter Sutherland	4/28/2011	3.88	4.81	5.48	5.16	4.84	4.13	2.03	1.18	31.49
CL5	Clyde River	Ruth Hemeon	4/28/2011	3.85	4.75	5.76	5.22	4.97	4.05	2.06	1.13	31.78
KE1	Scotts Bay	Kathleen & Darren Huntley	7/13/2011	3.65	4.84	5.30	4.96	4.48	3.97	2.10	1.17	30.47
KE2	Canning	Simon Rafuse	7/13/2011	3.86	5.01	5.80	5.66	4.87	4.22	2.17	1.24	32.83
KE3	Kentville	Jeff Franklin	7/13/2011	3.76	4.73	5.57	5.73	4.75	4.11	2.21	1.18	32.04
KE4	South Alton	Dianna & Daniel Niema	7/13/2011	3.83	4.64	5.65	5.58	4.81	4.03	2.14	1.15	31.81
KE5	South Forest Home	Kirk Keddy	7/13/2011	3.81	4.66	5.58	5.52	4.79	4.06	2.10	1.10	31.61
LI1	East Port L'Hebert	Dirk Van Loon	5/12/2011	4.02	4.65	5.87	5.31	5.10	4.07	2.08	1.21	32.31
LI2	Robertson Loop	C. & D. Robertson	5/12/2011	3.94	4.59	5.77	5.15	4.79	3.90	2.09	1.34	31.56
LI3	Strawberry Point	Betty Richardson	5/4/2011	4.06	4.91	5.86	5.35	5.19	4.31	2.40	1.47	33.55
LI4	Liverpool	Larry Cochrane	5/12/2011	3.95	4.69	5.67	5.56	4.96	4.04	2.22	1.35	32.44
LI5	Middlefield	Hillsview Acres	5/4/2011	4.08	4.83	5.60	5.62	4.98	4.23	2.28	1.32	32.94
LI6	South Brookfield	Mel Waterman	5/4/2011	3.99	4.75	5.53	5.46	4.87	4.18	2.15	1.26	32.18

Table 4: 2014 Daily Average Solar Radiation within the April to November Period (kWh/m²/day = kilowatt hours per metre² per day)

Station ID	Location	Contact	Deployment Date	Apr (kWh/m ² /day)	May (kWh/m ² /day)	Jun (kWh/m ² /day)	Jul (kWh/m ² /day)	Aug (kWh/m ² /day)	Sep (kWh/m ² /day)	Oct (kWh/m ² /day)	Nov (kWh/m ² /day)	Total Radiation (kWh/m ²)
MI1	Moshers Corner	David Colville	8/13/2011	3.54	4.69	5.52	5.38	4.83	4.12	1.81	0.69	30.58
MI2	Albany	Christine & John Skaling	7/14/2011	3.67	4.54	5.46	5.22	4.68	3.92	1.96	1.09	30.53
MI3	Squirreltown	Don McPherson	7/14/2011	3.86	4.81	5.78	5.18	4.91	4.21	2.12	1.18	32.05
MI4	Dalhousie	John Blyde	8/24/2011	3.80	4.55	5.51	5.28	4.69	4.09	2.02	1.17	31.12
MI5	Springfield	Robert Whynot	7/14/2011	3.82	4.60	5.47	5.35	4.79	4.14	2.04	1.27	31.48
SH1	Lockes Island	Marilyn & Stewart Moore	5/12/2011	4.01	4.89	5.75	5.29	5.13	4.11	2.14	1.26	32.58
SH2	Sandy Point	NSCC Shelburne	4/27/2011	4.19	5.17	6.04	5.54	5.25	4.35	2.25	1.37	34.16
SH3	Shelburne	Ivan Spears	5/12/2011	4.04	5.02	5.77	5.35	5.04	4.15	2.14	1.37	32.89
SH4	Lower Ohio	Rick Bower	4/28/2011	4.08	4.88	5.86	5.34	5.10	4.17	2.14	1.29	32.85
SH5	Lower Ohio	Rick Bower	4/27/2011	3.90	4.60	5.58	5.12	4.89	4.05	2.00	1.22	31.35
SH6	Middle Ohio	Ted Siegel	4/27/2011	3.86	4.81	5.43	5.16	4.91	4.02	2.04	1.29	31.51
SH7	Upper Ohio	Leonard Bower	4/27/2011	3.86	4.81	5.77	5.26	5.02	4.13	2.00	1.27	32.13
WE1	Sandy Cove	Andre D'Entremont	5/11/2011	4.13	5.35	6.23	5.35	5.57	4.51	2.31	1.10	34.56
WE2	Weymouth North	Paul Weaver	4/29/2011	4.10	5.47	6.00	5.42	5.42	4.33	2.25	1.16	34.15
WE3	Weaver Settlement	Andrew Weaver	4/21/2011	4.01	5.46	6.08	5.48	5.40	4.39	2.21	1.17	34.19
WE4	Hassett	Nellie & David Russell	4/29/2011	2.48	5.45	6.10	5.48	5.37	4.52	2.26	1.17	32.84
WE5	Corberrie	Kevin Gaudet	4/29/2011	3.95	4.99	5.89	5.28	5.12	4.34	2.04	1.15	32.76
WE6	Hectanooga	Rudy & Henny Zwaga	5/11/2011	4.26	5.37	6.32	5.60	5.29	4.59	2.20	1.23	34.87
YA1	Chegoggin	Chris Tedford	4/20/2011	4.29	5.40	6.13	5.37	5.21	4.50	2.30	1.13	34.32
YA2	South Ohio	Truman Hurlburt	4/20/2011	4.26	5.50	6.22	5.38	5.17	4.40	2.19	1.13	34.24
YA3	Deerfield	Neil Nicholl	4/19/2011	4.06	5.17	6.00	5.28	5.05	4.28	2.11	1.11	33.06
YA4	Pleasant Valley	Leonard Sabine	4/19/2011	4.02	4.94	5.86	5.14	4.97	4.26	2.10	1.14	32.44
YA5	Kemptville	Kyle Roberts	4/20/2011	4.25	5.38	6.46	5.55	5.35	4.45	2.18	1.24	34.85
YA6	East Kemptville	DNR	4/20/2011	4.04	5.08	6.08	5.27	5.12	4.24	2.12	1.16	33.11
S10	Moshers Corner	David Colville	9/3/2002	3.80	4.86	5.62	5.45	4.94	4.27	1.98	0.80	31.73
S20	West Nictaux	Ivan Shilliday	9/9/2003	3.69	4.60	5.67	5.46	4.69	4.12	1.97	0.85	31.06
S30	Middleton	David Colville	9/9/2003	3.88	4.88	5.81	5.50	5.01	4.30	1.97	0.89	32.25
S40	South Mountain	Gregory Dixon	5/12/2004	3.82	4.92	5.66	5.45	5.04	4.33	1.85	0.88	31.88
S60	Sheffield Mills	Dale Hebb	9/19/2003	3.82	4.33	5.49	5.11	4.83	4.13	1.92	0.96	30.59
S70	Nictaux South	Marian & Gordon Foster	9/16/2003	3.69	4.60	5.67	5.48	4.79	4.09	1.91	0.85	31.07
S80	Port Royal	Allan Sloan	9/30/2003	3.96	5.24	5.77	5.35	5.11	4.28	1.99	0.85	32.54
S90	Gaspereau	Chris Wescott	9/30/2003	3.67	4.62	5.54	5.68	4.71	4.18	2.04	0.85	31.29
S100	Marshalltown	Carl Seely	9/30/2003	3.80	5.22	5.73	5.14	5.24	4.20	2.07	0.89	32.30
S120	Ross Creek	Bill Crowson	5/17/2004	3.76	4.89	5.59	5.50	4.87	4.24	1.96	0.96	31.78
S130	Bear River	Phyllis & Robert Wood	5/13/2004	3.92	5.09	5.75	5.30	5.03	4.15	1.95	0.87	32.06
S160	Lily Lake	John Briere	12/15/2006	4.07	5.25	5.98	5.73	5.34	4.61	2.03	0.97	33.98

Table 5: 2014 Rainfall within the April to November Period (mm)

Station ID	Location	Contact	Deployment Date	Apr (mm)	May (mm)	Jun (mm)	Jul (mm)	Aug (mm)	Sep (mm)	Oct (mm)	Nov (mm)	Total Rain (mm)
AN1	Parkers Cove	Dennis Kingston	7/22/2014				33.40	62.20	60.60	93.60	220.60	470.40
AN2	Parker Mountain	Stuart Robinson	7/22/2014				30.80	69.40	65.00	108.00	268.00	541.20
AN3	Granville Ferry	D. Butler & J. Burnell	7/10/2014				75.00	62.00	60.60	92.40	222.00	512.01
AN4	Annapolis	Susan & Gene Lane	7/22/2014				37.60	114.80	70.40	105.40	236.00	564.20
AN5	Milford	Jim Langmire	6/23/2014			30.80	131.81	65.80	88.61	132.20	224.20	673.42
AN6	South Milford	Leslee Fredericks	6/23/2014			34.00	178.22	77.40	90.20	139.00	236.00	754.82
AN7	Maitland Bridge	KNP & NHS	6/23/2014			53.20	177.22	88.40	120.21	149.00	221.40	809.44
BI1	Brier Island	David Pugh	5/13/2014		34.80	106.21	136.81	32.40	68.40	110.20	232.81	721.62
BR1	Kingsburg	Donna & Scott Fleming	4/17/2014	27.60	40.00	118.81	35.20	60.80	106.41	129.20	106.60	624.62
BR2	Crouse Settlement	Bev Martel	4/17/2014	29.80	38.00	138.01	84.81	103.81	129.81	191.40	204.60	920.24
BR3	Bridgewater	Kevin Johnson	4/14/2014	44.00	31.00	134.41	79.01	78.60	153.42	223.40	220.00	963.84
BR4	Northfield	Wayne Broom	4/14/2014	39.20	33.00	136.61	91.21	78.61	206.83	145.80	214.60	945.85
BR5	New Germany	Bill Woodworth	4/14/2014	47.80	26.00	139.40	103.00	68.20	144.81	129.80	217.80	876.82
BR6	Cherryfield	Kevin Munro	1/1/2014	155.00	40.00	154.00	127.60	117.40	134.40	139.00	230.60	1098.00
CH1	Blanford	Jeff Hogue	5/21/2014		5.00	121.00	40.40	39.40	122.01	96.60	176.00	600.42
CH2	East Chester	Christopher Field	5/21/2014		4.80	164.02	108.01	47.00	120.01	112.60	194.20	750.64
CH3	Chester Grant	Linda & Bruce Brophy	5/21/2014		8.20	148.21	115.01	66.20	174.42	135.40	214.00	861.44
CH4	Seffernville	Rudy & Donald Seffern	5/23/2014		3.40	67.00	68.40	35.40	86.61	70.60	152.00	483.41
CH5	New Ross	Kelly Munroe	5/23/2014		5.40	144.41	97.21	75.20	148.82	136.60	223.21	830.84
CH6	Aldersville	Jackie Russell	5/6/2014		23.60	114.80	90.00	67.40	114.61	152.20	217.21	779.82
CL1	Clark's Harbour	Jimmy Newell	5/8/2014		46.40	101.61	61.20	51.00	124.82	226.42	180.20	791.65
CL2	Barrington	Sid Smith	5/8/2014		50.80	114.01	80.20	74.60	145.40	235.41	202.01	902.43
CL3	Clyde River	Larry Nickerson	5/30/2014		0.20	105.41	80.61	79.61	151.02	269.82	212.60	899.26
CL4	Clyde River	Peter Sutherland	5/8/2014		61.60	120.00	96.20	73.20	150.82	250.21	234.20	986.25
CL5	Clyde River	Ruth Hemeon	5/8/2014		54.40	116.21	102.01	48.20	119.81	218.21	233.80	892.63
KE1	Scotts Bay	Kathleen & Darren Huntley	7/3/2014				65.40	75.40	62.20	188.41	177.20	568.61
KE2	Canning	Simon Rafuse	7/3/2014				103.61	67.20	71.20	153.00	208.80	603.82
KE3	Kentville	Jeff Franklin	7/11/2014				119.42	61.80	85.61	136.60	205.80	609.22
KE4	South Alton	Dianna & Daniel Niema	7/11/2014				116.62	82.20	79.20	136.40	198.80	613.23
KE5	South Forest Home	Kirk Keddy	7/11/2014				88.00	68.00	98.80	134.80	153.00	542.60
LI1	East Port L'Hebert	Dirk Van Loon	5/22/2014		2.40	86.60	31.80	69.20	105.61	131.81	205.20	632.62
LI2	Robertson Loop	C. & D. Robertson	5/22/2014		2.80	122.41	64.21	62.00	163.42	223.41	228.01	866.25
LI3	Strawberry Point	Betty Richardson	6/3/2014			98.81	52.60	67.60	100.61	213.31	235.41	768.33
LI4	Liverpool	Larry Cochrane	6/3/2014			126.61	51.00	92.60	136.41	217.40	242.81	866.83
LI5	Middlefield	Hillsview Acres	6/3/2014			108.21	104.41	61.80	160.62	223.60	208.40	867.04
LI6	South Brookfield	Mel Waterman	6/9/2014			102.81	88.21	65.60	127.21	125.20	211.60	720.63

Table 5: 2014 Rainfall within the April to November Period (mm)

Station ID	Location	Contact	Deployment Date	Apr (mm)	May (mm)	Jun (mm)	Jul (mm)	Aug (mm)	Sep (mm)	Oct (mm)	Nov (mm)	Total Rain (mm)
MI1	Moshers Corner	David Colville	N/A									
MI2	Albany	Christine & John Skaling	6/20/2014			42.20	166.42	60.60	75.00	146.61	230.40	721.23
MI3	Squirreltown	Don McPherson	7/23/2014				56.81	68.20	84.41	161.61	227.20	598.22
MI4	Dalhousie	John Blyde	7/2/2014				94.20	81.20	83.60	147.20	216.40	622.60
MI5	Springfield	Robert Whynot	6/20/2014			62.81	125.21	97.20	104.80	166.80	216.80	773.62
SH1	Lockes Island	Marilyn & Stewart Moore	5/9/2014		51.80	92.41	58.20	88.80	113.41	156.40	210.81	771.84
SH2	Sandy Point	NSCC Shelburne	5/9/2014		55.20	105.00	81.81	76.20	169.43	232.01	227.21	946.85
SH3	Shelburne	Ivan Spears	6/4/2011			101.20	89.21	96.21	152.02	194.61	236.81	870.05
SH4	Lower Ohio	Rick Bower	5/9/2014		51.00	113.81	92.00	58.20	149.82	194.61	236.81	896.24
SH5	Lower Ohio	Rick Bower	5/29/2014		0.00	130.81	101.81	48.60	141.01	187.01	252.41	861.64
SH6	Middle Ohio	Ted Siegel	6/4/2014			108.60	121.01	37.20	104.61	163.21	235.41	770.03
SH7	Upper Ohio	Leonard Bower	5/30/2014		0.00	115.80	130.60	30.00	92.00	155.41	226.21	750.02
WE1	Sandy Cove	Andre D'Entremont	5/13/2014		32.60	142.61	125.81	34.40	76.00	105.00	227.80	744.22
WE2	Weymouth North	Paul Weaver	4/22/2014	42.20	60.00	113.61	158.81	38.80	82.40	106.20	251.80	853.83
WE3	Weaver Settlement	Andrew Weaver	4/22/2014	38.20	59.40	103.20	149.81	30.60	95.40	125.20	249.20	851.01
WE4	Hassett	Nellie & David Russell	4/22/2014	36.20	49.60	106.81	188.02	40.00	101.20	109.60	233.80	865.23
WE5	Corberrie	Kevin Gaudet	5/7/2014		44.40	160.41	201.22	41.40	123.41	117.20	237.40	925.45
WE6	Hectanooga	Rudy & Henny Zwaga	5/7/2014		54.60	140.01	147.81	38.20	115.41	133.40	250.40	879.83
YA1	Chegoggin	Chris Tedford	5/28/2014		0.00	98.80	103.40	37.60	68.80	118.40	173.80	600.81
YA2	South Ohio	Truman Hurlburt	5/29/2014		0.00	127.61	114.01	49.80	86.40	151.00	205.40	734.23
YA3	Deerfield	Neil Nicholl	5/28/2014		0.00	127.21	100.61	43.20	97.41	122.20	186.00	676.62
YA4	Pleasant Valley	Leonard Sabine	5/7/2014		52.00	133.41	115.81	44.40	110.61	138.20	217.60	812.04
YA5	Kemptville	Kyle Roberts	5/29/2014		0.00	141.41	160.62	44.20	98.60	123.20	255.40	823.43
YA6	East Kemptville	DNR	5/29/2014		0.00	142.61	174.62	48.40	110.40	124.20	236.60	836.84
S10	Moshers Corner	David Colville	9/3/2002	116.20	43.20	167.20	87.60	93.00	53.40	128.60	202.80	892.00
S20	West Nictaux	Ivan Shilliday	9/9/2003	85.80	39.40	103.38	100.58	86.61	46.99	101.00	169.00	732.77
S30	Middleton	David Colville	9/9/2003	75.00	34.80	123.80	87.40	72.40	52.60	77.20	117.20	640.40
S40	South Mountain	Gregory Dixon	5/12/2004	93.80	47.60	182.40	87.20	103.20	46.60	126.60	198.00	687.40
S60	Sheffield Mills	Dale Hebb	9/19/2003	87.60	25.00	13.60	80.80	73.40	64.40	135.60	218.00	698.40
S70	Nictaux South	Marian & Gordon Foster	9/16/2003	84.80	29.40	87.60	90.00	71.20	48.80	95.00	164.20	671.00
S80	Port Royal	Allan Sloan	9/30/2003	119.60	41.00	124.40	152.20	57.40	57.00	110.60	225.80	888.00
S90	Gaspereau	Chris Wescott	9/30/2003	75.40	29.60	74.40	105.40	68.00	90.60	110.00	167.00	720.40
S100	Marshalltown	Carl Seely	9/30/2003	33.60	46.80	121.20	194.00	54.20	68.60	111.00	242.40	871.80
S120	Ross Creek	Bill Crowson	5/17/2004	80.80	27.60	112.20	74.00	71.80	72.40	188.40	200.60	827.80
S130	Bear River	Phyllis & Robert Wood	5/13/2004	119.00	38.20	111.80	140.00	54.00	67.40	96.40	219.00	845.80
S160	Lily Lake	John Briere	12/15/2006	116.60	48.60	161.00	84.60	86.20	50.20	122.60	199.40	869.20

Table 6: 2011-2014 Annual Temperature Comparison (GDD = Growing Degree Days Base 10°C)

Station ID	Deployment Date	2011				2012				2013				2014			
		Frost Free Days	Total GDD Frost Free	Total GDD Apr-Nov	Min Temp (°C)	Frost Free Days	Total GDD Frost Free	Total GDD Apr-Nov	Min Temp (°C)	Frost Free Days	Total GDD Frost Free	Total GDD Apr-Nov	Min Temp (°C)	Frost Free Days	Total GDD Frost Free	Total GDD Apr-Nov	Min Temp (°C)
AN1	7/12/2011					184.1	1007	1027	-13.3	204.1	906	911	-18.1	176.7	862	911	-16.2
AN2	7/12/2011					190.1	1092	1112	-15.7	178.8	987	1000	-18.1	176.7	939	987	-19.7
AN3	7/12/2011					165.0	1109	1154	-16.7	147.3	950	1017	-22.4	161.6	950	1011	-24.5
AN4	7/12/2011					164.8	1122	1167	-16.4	147.1	1004	1072	-22.2	161.5	987	1048	-25.0
AN5	7/12/2011					165.0	1076	1118	-18.6	147.2	980	1041	-25.3	163.6	958	1012	-25.7
AN6	7/12/2011					148.8	1015	1089	-18.5	136.9	938	1012	-24.8	112.0	827	972	-25.0
AN7	8/24/2011					148.8	1044	1122	-18.7	136.9	962	1042	-24.8	111.9	865	1023	-24.6
BI1	8/26/2011					235.9	978	978	-13.0	225.4	790	790	-14.5	205.6	798	802	-14.9
BR1	5/6/2011	184.0	904	913	-12.0	202.0	986	987	-14.4	204.9	834	834	-17.7	199.0	846	846	-17.3
BR2	5/3/2011	179.3	1110	1124	-14.1	176.9	1195	1230	-15.1	177.7	1141	1159	-22.1	172.9	1038	1076	-19.8
BR3	5/5/2011	177.3	1150	1163	-14.2	176.8	1226	1275	-16.1	163.8	1139	1200	-22.4	163.8	1051	1106	-21.9
BR4	5/3/2011	157.3	1074	1130	-14.4	174.8	1195	1236	-18.3	163.2	1114	1173	-24.3	163.6	1053	1108	-24.5
BR5	6/8/2011					153.8	1110	1172	-19.0	146.2	1024	1096	-26.2	113.0	870	1028	-27.8
BR6	5/5/2011	177.2	1031	1038	-16.3	148.8	1070	1154	-19.3	137.0	1017	1109	-26.1	114.0	862	1013	-25.4
CH1	5/17/2011					159.7	924	963	-14.2	146.0	813	848	-22.2	161.9	774	789	-21.8
CH2	5/17/2011					189.0	1078	1084	-15.8	164.0	981	1004	-23.0	166.8	919	941	-19.6
CH3	5/17/2011					169.7	1110	1139	-16.6	163.1	1028	1067	-25.3	163.6	974	1010	-22.3
CH4	5/14/2011					176.8	1120	1149	-17.2	163.2	1031	1068	-23.7	163.7	971	1011	-21.0
CH5	5/14/2011					153.7	1035	1089	-18.9	160.1	967	1007	-25.6	114.0	819	955	-24.4
CH6	5/14/2011					176.9	1047	1076	-18.0	162.9	983	1026	-23.7	169.7	924	968	-22.4
CL1	5/11/2011					237.0	842	842	-10.1	231.3	539	539	-13.9	225.9	725	725	-14.2
CL2	4/28/2011	191.9	1040	1053	-12.8	177.0	1111	1155	-14.8	163.8	953	985	-16.7	199.5	944	950	-17.2
CL3	5/11/2011					153.8	994	1058	-16.0	147.9	899	954	-20.3	113.7	790	952	-21.0
CL4	4/28/2011	161.9	1003	1068	-14.1	147.7	1008	1091	-16.4	147.0	949	1004	-20.5	112.6	806	967	-23.6
CL5	4/28/2011	162.1	1031	1088	-14.7	147.0	1047	1135	-16.7	146.9	971	1033	-21.1	109.7	823	999	-22.7
KE1	7/13/2011					189.9	920	938	-16.8	183.9	803	815	-18.7	170.0	779	810	-22.6
KE2	7/13/2011					189.9	1209	1234	-16.0	163.2	1090	1146	-21.9	166.8	1030	1089	-22.0
KE3	7/13/2011					176.8	1220	1265	-15.9	163.8	1102	1169	-23.4	163.8	1062	1128	-22.0
KE4	7/13/2011					190.0	1107	1125	-17.8	163.8	1017	1067	-23.1	172.9	980	1030	-22.0
KE5	7/13/2011					148.8	986	1064	-19.1	145.9	944	1001	-26.7	153.1	893	941	-26.3
LI1	5/12/2011					189.2	1041	1050	-14.2	190.9	958	959	-18.1	198.9	940	945	-18.4
LI2	5/12/2011					190.0	1162	1180	-15.0	190.8	1109	1109	-19.2	198.8	1037	1048	-18.1
LI3	5/4/2011	202.1	915	917	-12.4	190.9	940	946	-14.3	191.0	811	820	-17.3	198.9	825	827	-18.0
LI4	5/12/2011					189.7	1160	1178	-14.4	176.8	1102	1117	-18.7	198.9	1026	1039	-18.5
LI5	5/4/2011	185.8	1119	1130	-15.3	176.9	1151	1195	-17.1	163.9	1094	1144	-20.9	198.8	1067	1083	-19.6
LI6	5/4/2011	178.1	1114	1123	-15.3	148.8	1102	1202	-18.6	147.1	1034	1108	-24.0	111.0	873	1051	-24.6

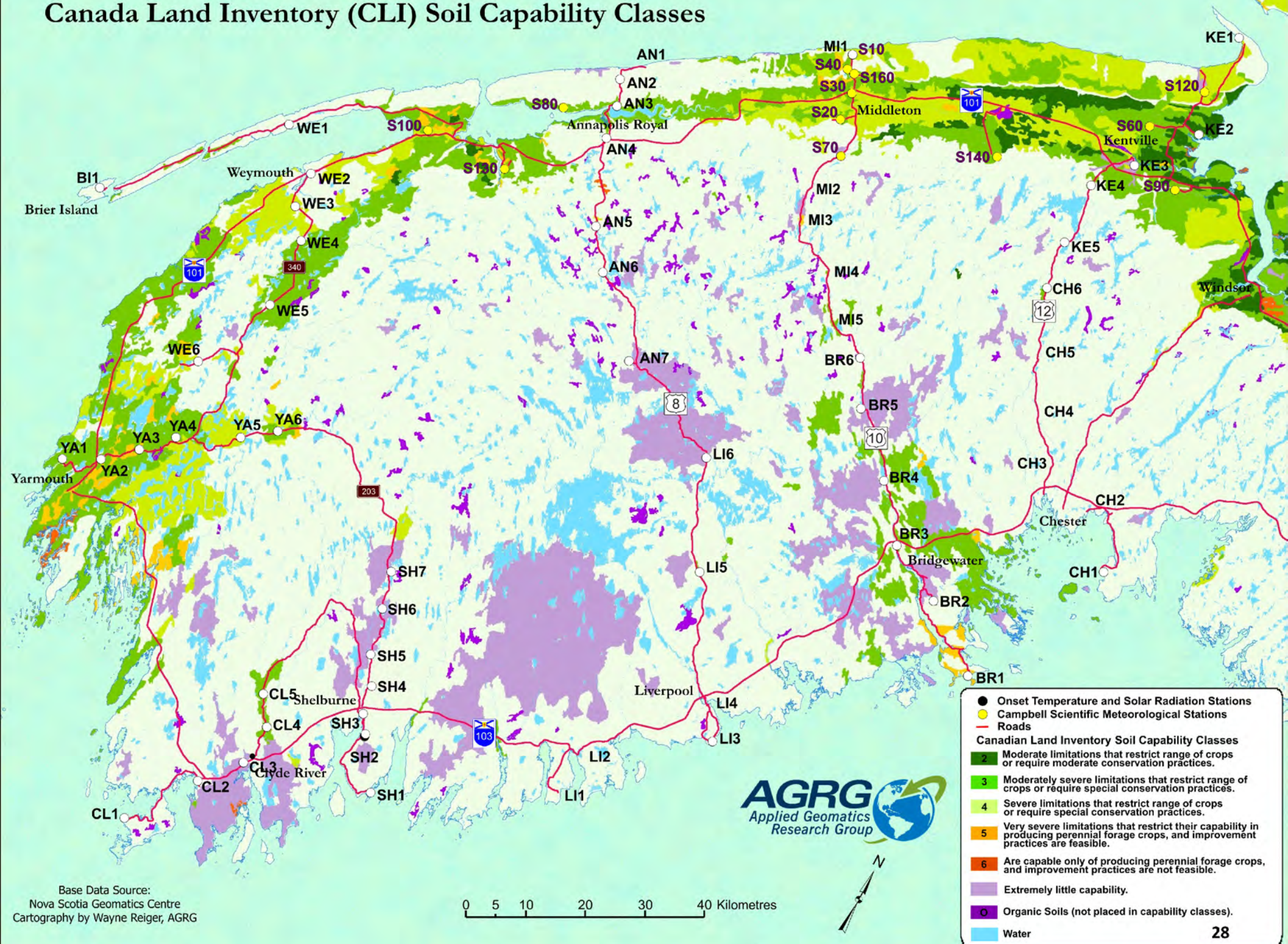
Table 6: 2011-2014 Annual Temperature Comparison (GDD = Growing Degree Days Base 10°C)

Station ID	Deployment Date	2011				2012				2013				2014			
		Frost Free Days	Total GDD Frost Free	Total GDD Apr-Nov	Min Temp (°C)	Frost Free Days	Total GDD Frost Free	Total GDD Apr-Nov	Min Temp (°C)	Frost Free Days	Total GDD Frost Free	Total GDD Apr-Nov	Min Temp (°C)	Frost Free Days	Total GDD Frost Free	Total GDD Apr-Nov	Min Temp (°C)
MI1	8/13/2011					190.9	1072	1090	-15.8	184.8	988	1006	-19.5	170.0	904	951	-19.6
MI2	7/14/2011					148.6	986	1060	-20.1	136.8	899	974	-26.7	111.7	805	946	-27.1
MI3	7/14/2011					177.0	1102	1137	-16.6	163.9	993	1040	-21.9	163.8	913	963	-20.9
MI4	8/24/2011					169.8	1103	1137	-17.4	147.0	989	1049	-23.4	114.0	871	1020	-23.5
MI5	7/14/2011					177.0	1124	1159	-16.8	164.0	1029	1080	-22.1	192.7	1018	1032	-20.9
SH1	5/12/2011					210.7	1080	1083	-12.5	200.9	951	961	-16.1	208.5	954	958	-17.5
SH2	4/27/2011	192.9	1051	1065	-12.8	173.1	1075	1113	-12.6	179.1	994	1016	-17.1	142.9	932	1080	-19.4
SH3	5/12/2011					164.0	1108	1152	-15.4	160.0	1018	1064	-19.7	112.9	860	946	-22.9
SH4	4/28/2011	162.0	995	1046	-15.8	147.0	988	1062	-17.2	133.1	927	998	-21.2	109.6	791	950	-25.7
SH5	4/27/2011	163.1	1090	1148	-14.3	153.0	1100	1170	-16.3	137.9	1032	1118	-21.1	112.8	846	1021	-24.7
SH6	4/27/2011	188.3	1033	1045	-13.9	176.9	1172	1224	-14.5	163.1	1025	1078	-19.3	198.9	1137	1160	-19.5
SH7	4/27/2011	185.3	1134	1144	-13.8	170.0	1145	1192	-15.3	163.2	1041	1093	-20.4	129.0	908	1057	-21.8
WE1	5/11/2011					182.8	1039	1051	-13.7	177.6	906	915	-16.3	170.9	832	870	-17.7
WE2	4/29/2011	187.0	1017	1032	-10.0	170.1	1073	1114	-14.1	176.6	978	994	-16.0	168.9	904	965	-18.5
WE3	4/21/2011	192.8	1050	1062	-10.7	170.0	1065	1105	-14.2	147.2	955	1022	-17.3	163.6	936	993	-18.9
WE4	4/29/2011	187.0	1080	1091	-11.1	170.8	1117	1158	-15.0	163.1	1023	1074	-21.1	170.0	965	1027	-18.3
WE5	4/29/2011	187.3	1121	1132	-12.2	177.0	1149	1193	-14.5	176.8	1062	1077	-20.3	185.1	1031	1059	-18.3
WE6	5/11/2011					176.9	1089	1134	-15.0	175.9	1030	1046	-18.9	170.9	952	1007	-18.6
YA1	4/20/2011	196.8	835	846	-11.1	213.8	958	962	-12.3	190.7	807	809	-15.4	186.1	816	825	-16.7
YA2	4/20/2011	196.7	1034	1046	-11.9	194.0	1109	1129	-13.4	176.7	995	1011	-16.2	185.9	957	976	-17.2
YA3	4/19/2011	196.7	1064	1076	-12.3	189.8	1112	1132	-12.9	185.7	997	1011	-18.0	185.9	974	995	-17.4
YA4	4/19/2011	166.9	992	1053	-12.6	169.0	1040	1081	-16.5	160.0	961	1008	-20.4	113.0	793	965	-22.2
YA5	4/20/2011	167.0	1101	1170	-13.2	176.9	1166	1214	-15.2	176.0	1090	1109	-19.2	199.0	1059	1073	-19.1
YA6	4/20/2011	212.6	1135	1139	-14.3	190.7	1161	1183	-14.5	184.0	1074	1085	-18.7	189.8	1032	1048	-18.3
S10	9/3/2002	218.6	916	918	-18.7	190.9	1009	1024	-15.9	184.8	905	919	-19.1	170.0	904	951	-19.6
S20	9/9/2003	189.6	858	865	-20.9	164.6	1107	1147	-19.8	147.0	963	1018	-26.6	114.0	829	984	-28.0
S30	9/9/2003	189.8	1043	1048	-19.8	164.8	1076	1118	-19.6	160.0	1071	1100	-29.9	163.7	996	1054	-27.7
S40	5/12/2004					190.1	1022	1036	-16.7	184.8	953	964	-20.3	170.0	866	899	-20.8
S60	9/19/2003	192.9	1129	1139	-20.6	170.0	1174	1217	-16.0	153.9	1038	1062	-22.1	163.7	986	1004	-21.8
S70	9/16/2003	191.7	946	950	-19.3	189.0	1036	1050	-17.1	163.1	908	953	-22.4	163.8	820	857	-22.0
S80	9/30/2003	191.7	890	892	-17.3	165.0	1110	1152	-14.6	160.2	841	858	-19.3	163.8	901	959	-19.2
S90	9/30/2003	193.0	1099	1108	-18.6	176.8	1196	1238	-16.4	163.2	1078	1138	-23.2	169.7	1048	1110	-23.9
S100	9/30/2003	189.6	561	569	-19.2	152.9	1065	1101	-15.5	146.9	734	724	-21.4	170.9	854	891	-21.3
S120	5/17/2004	197.6	794	798	-19.6	177.3	950	973	-16.1	163.8	857	888	-21.2	172.9	848	880	-23.8
S130	5/13/2004	192.8	1044	1053	-17.6	187.7	1130	1154	-14.3	177.8	996	1010	-17.1	173.0	948	1001	-19.8
S160	12/15/2006	196.9	938	939	-19.6	189.7	1062	1076	-16.7	164.1	908	946	-19.1	198.9	921	933	-21.0

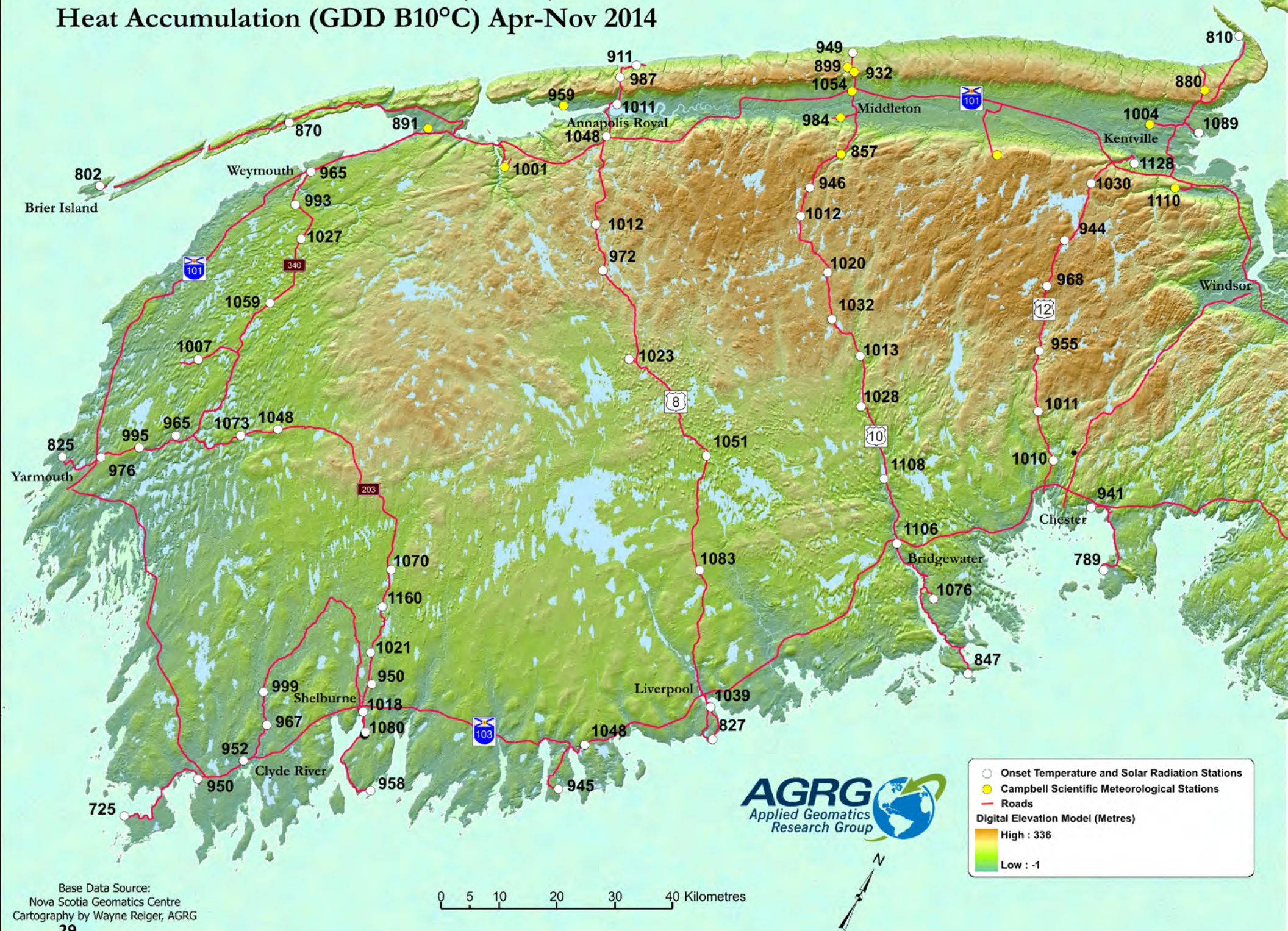
AGRG's Southwest Nova Scotia (SWNS) Weather Station Locations

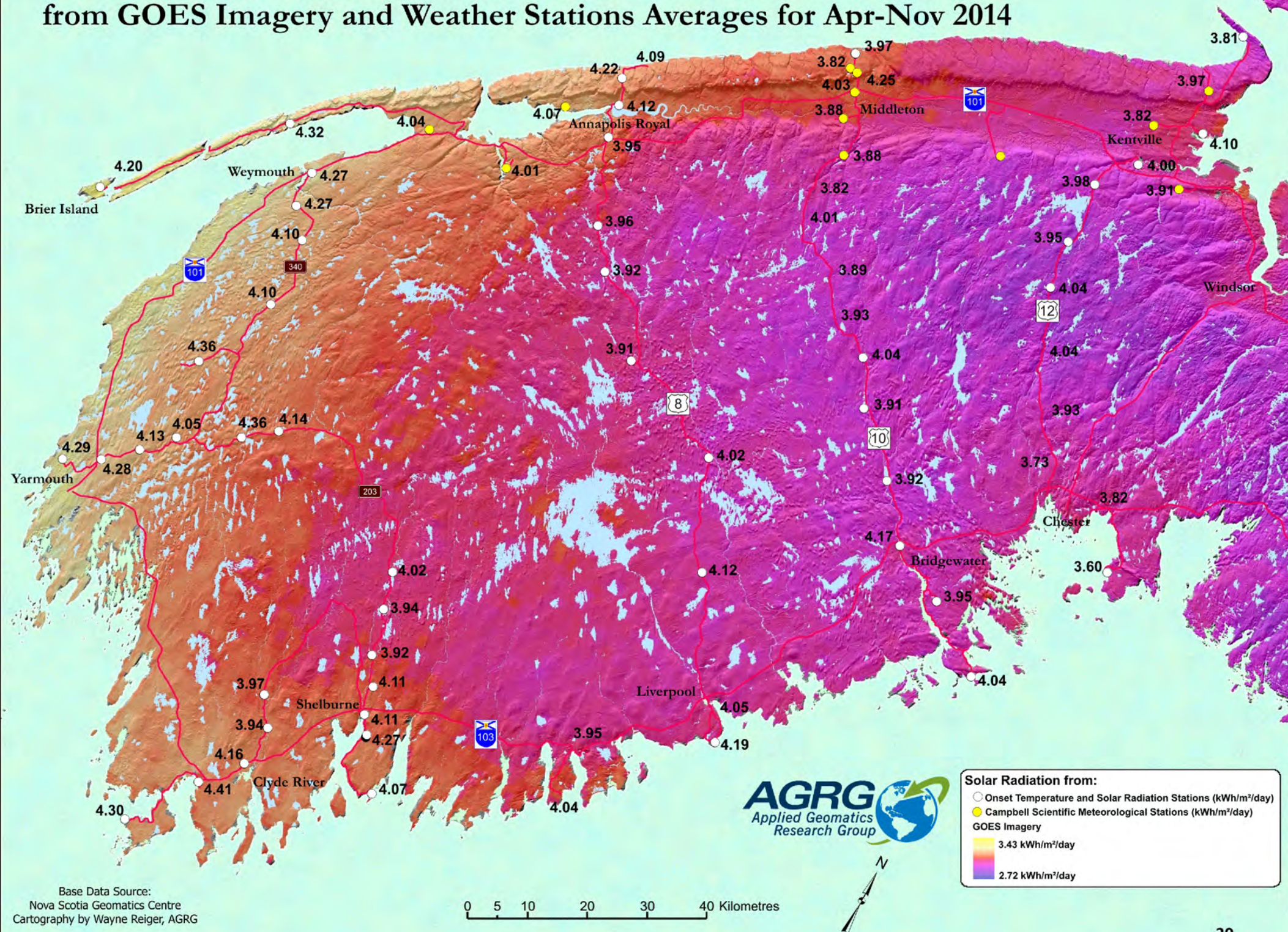


AGRG's Southwest Nova Scotia (SWNS) Canada Land Inventory (CLI) Soil Capability Classes

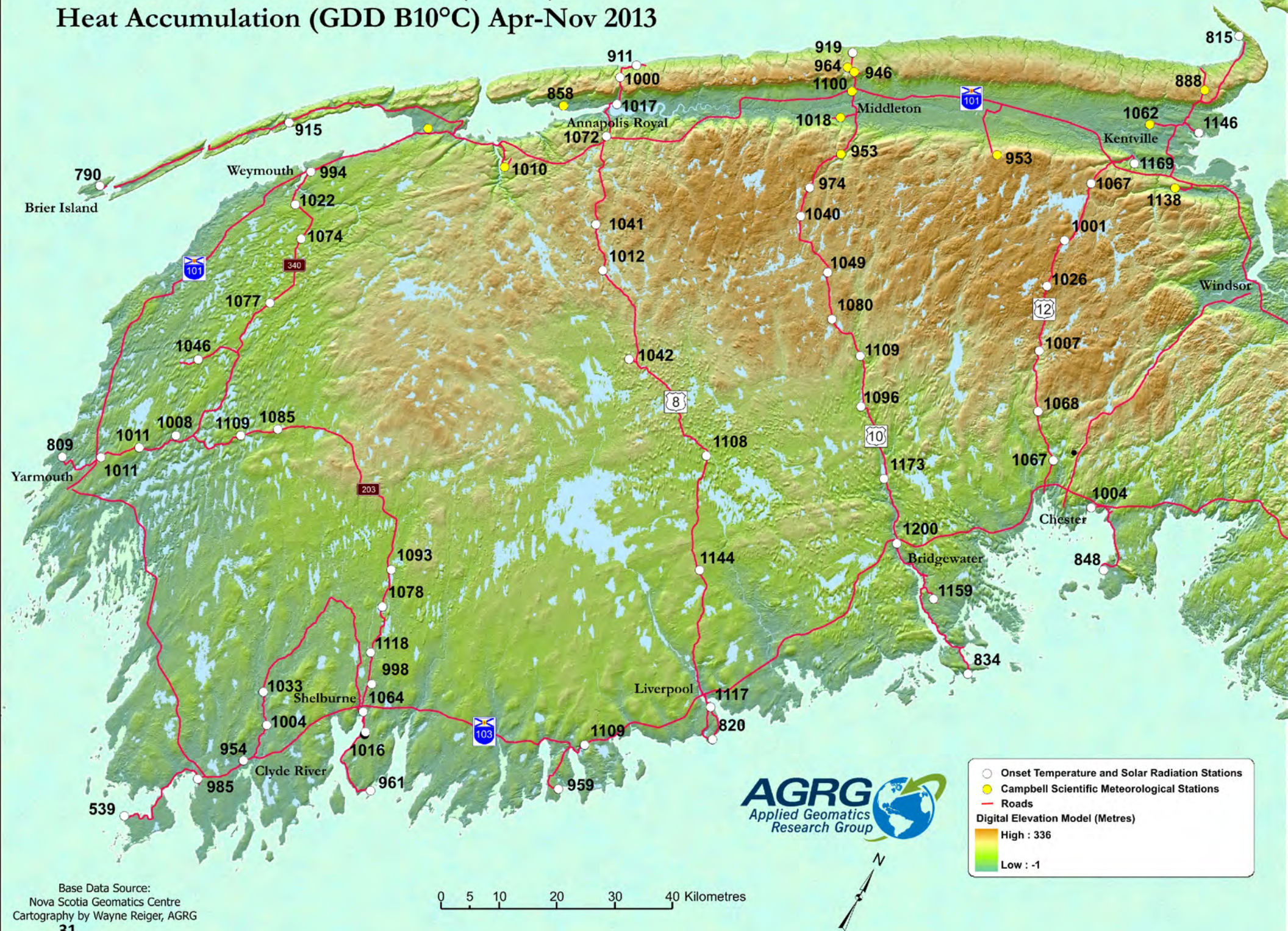


AGRG's Southwest Nova Scotia (SWNS) Heat Accumulation (GDD B10°C) Apr-Nov 2014

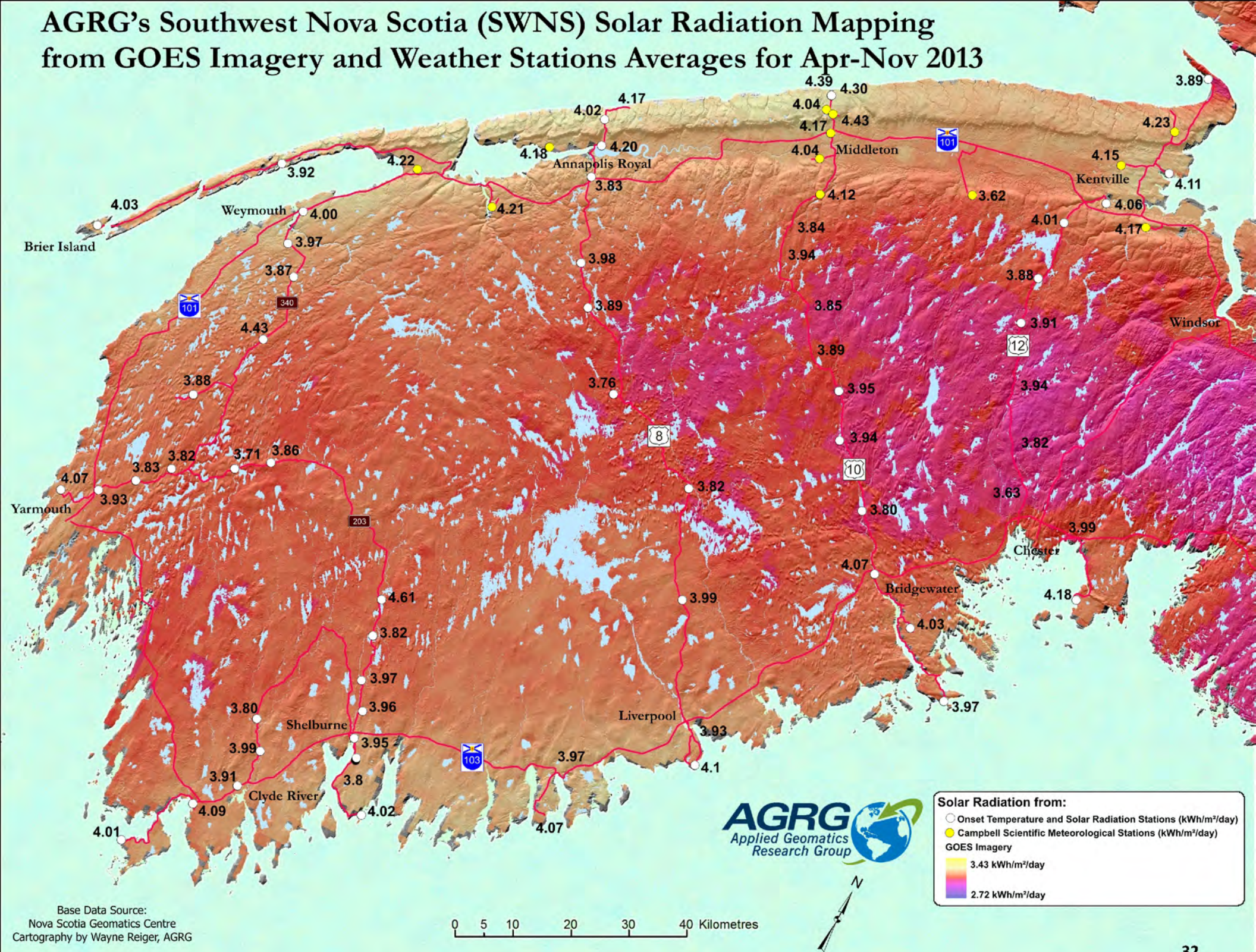




AGRG's Southwest Nova Scotia (SWNS) Heat Accumulation (GDD B10°C) Apr-Nov 2013

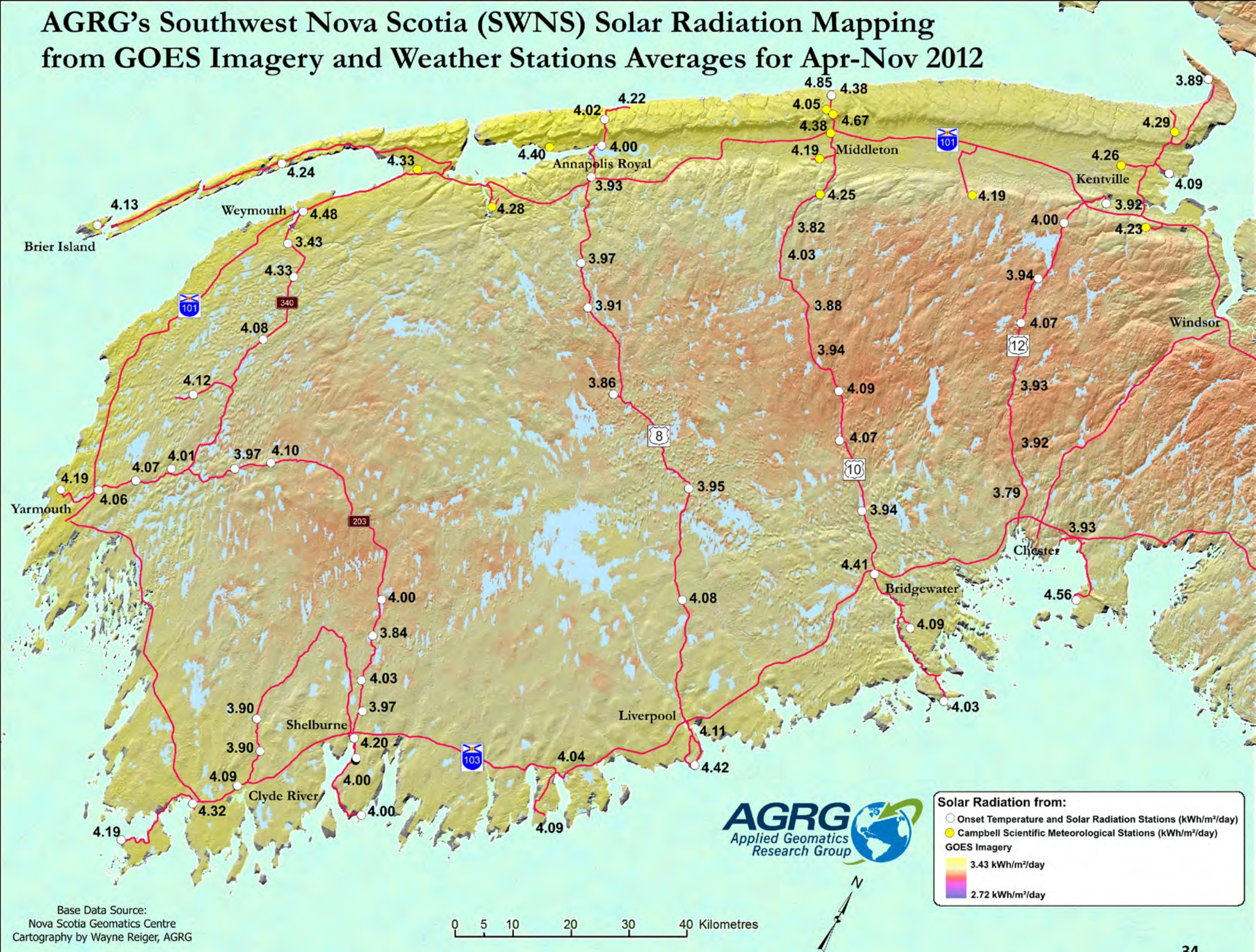


AGRG's Southwest Nova Scotia (SWNS) Solar Radiation Mapping from GOES Imagery and Weather Stations Averages for Apr-Nov 2013



AGRG's Southwest Nova Scotia (SWNS) Heat Accumulation (GDD B10°C) Apr-Nov 2012

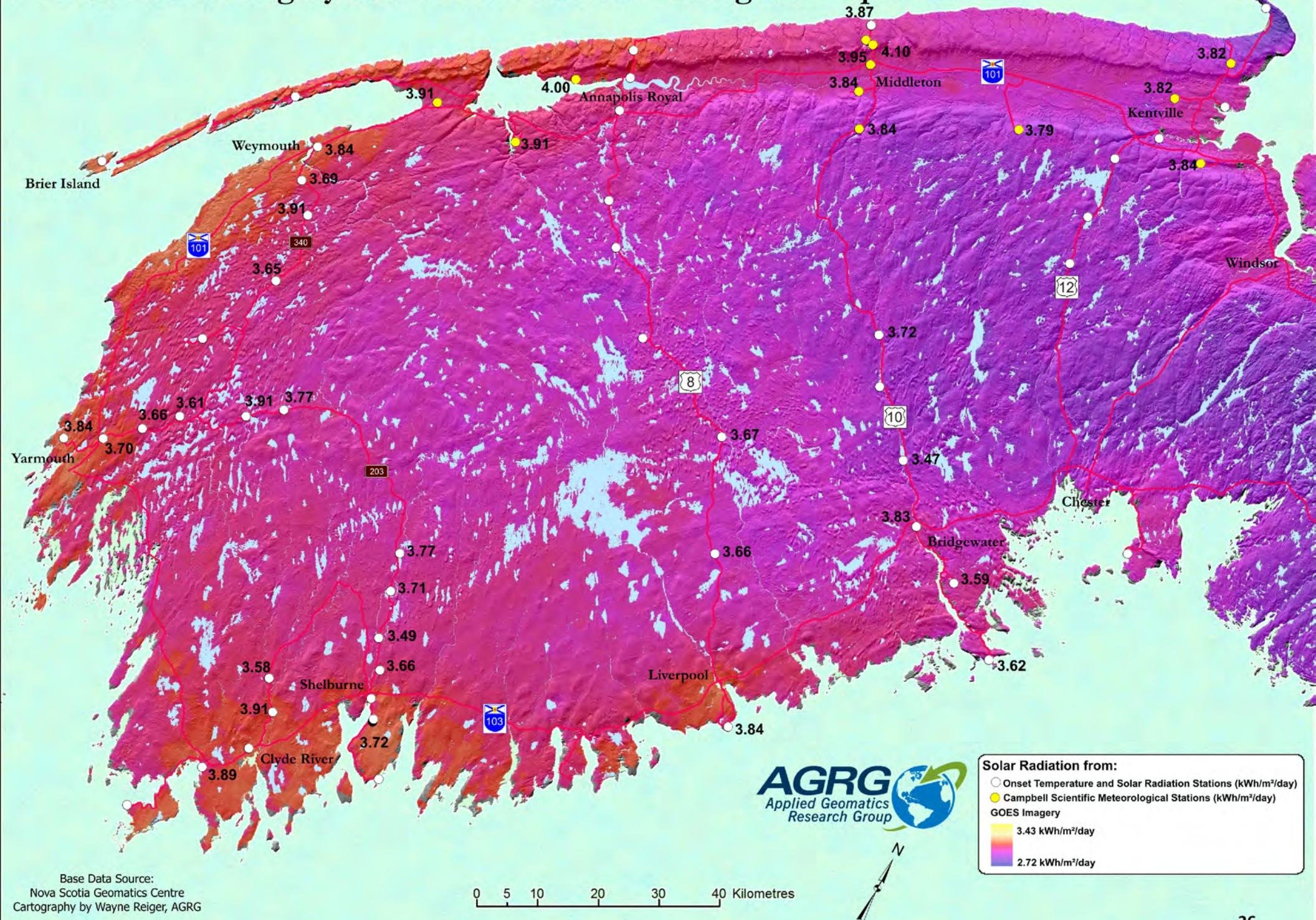




AGRG's Southwest Nova Scotia (SWNS) Heat Accumulation (GDD B10°C) Apr-Nov 2011



AGRG's Southwest Nova Scotia (SWNS) Solar Radiation Mapping from GOES Imagery and Weather Stations Averages for Apr-Nov 2011

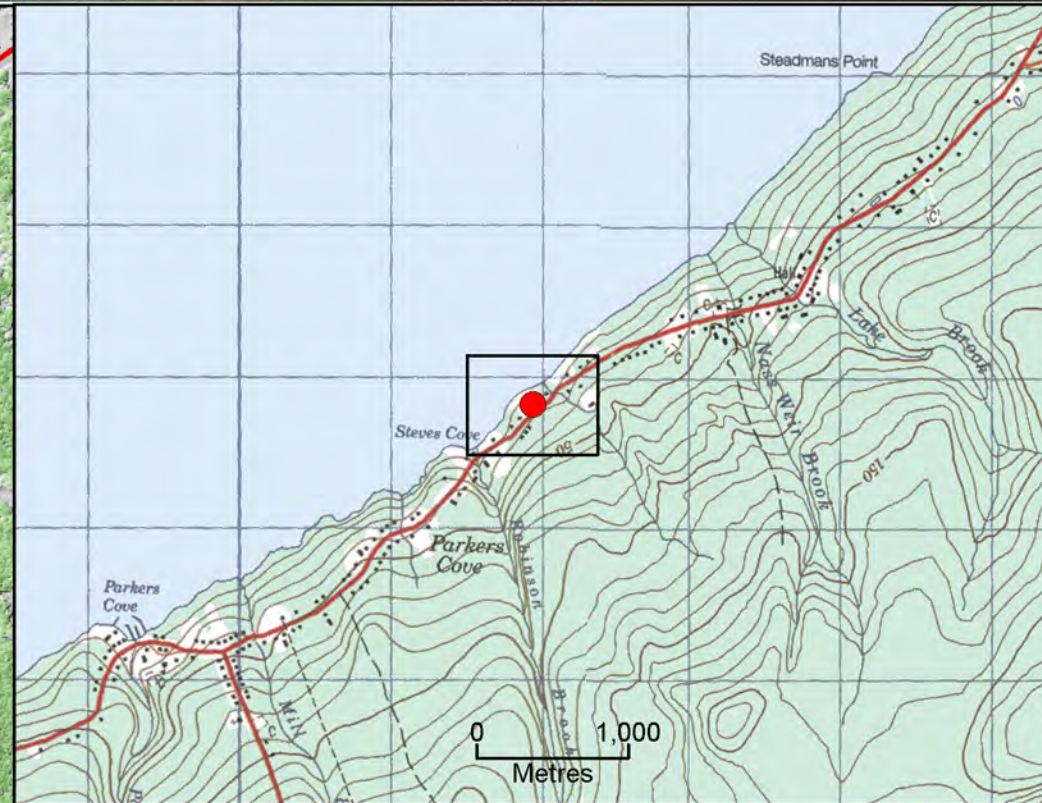
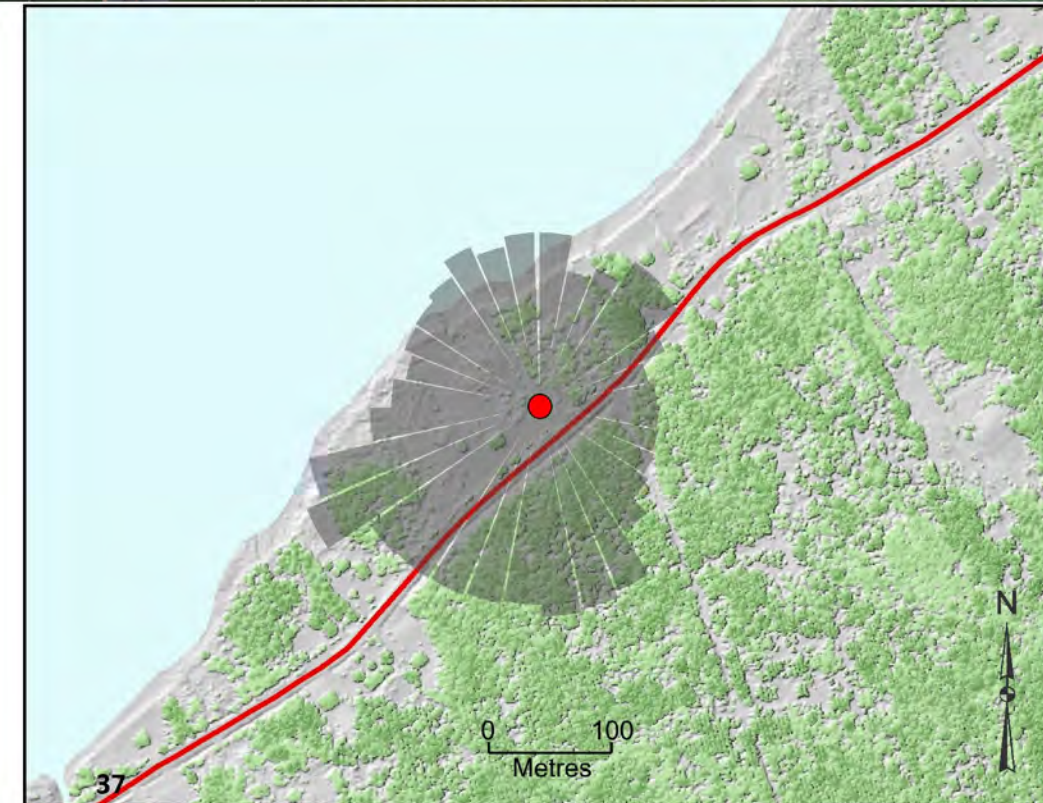
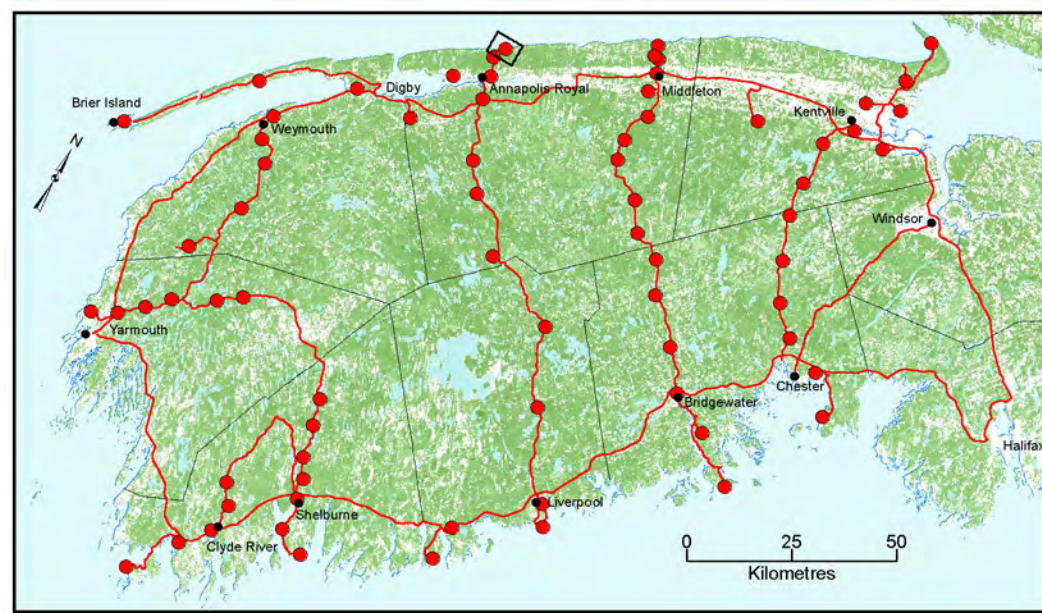


Southwest NS Weather Study

Station Description

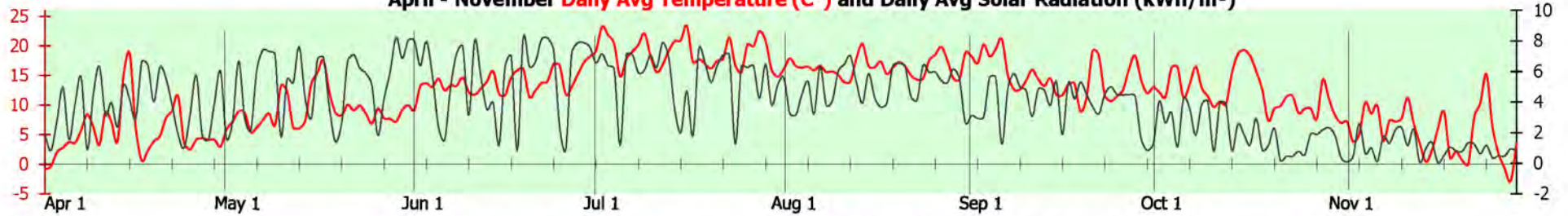
Station ID: AN1 (O)
Location: Parkers Cove
County: Annapolis
Contact: Dennis Kingston
Deployed: 7/12/2011

Easting: 301957.579
Northing: 4966807.873
Height (m): 13.9
[UTM Zone 20, NAD 83]

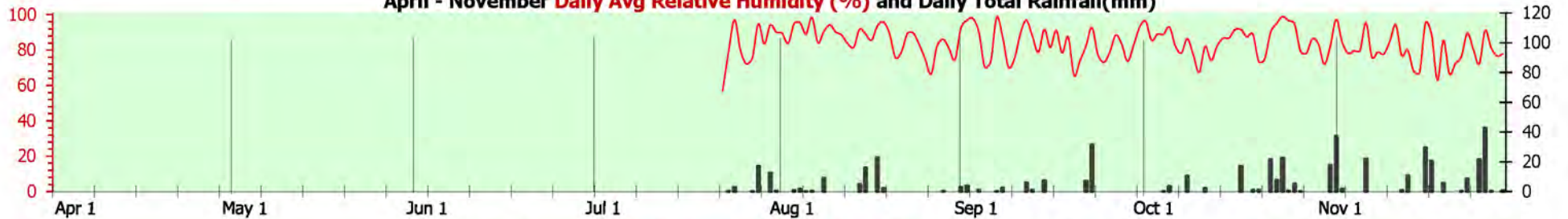


2014 Weather Data for Station AN1

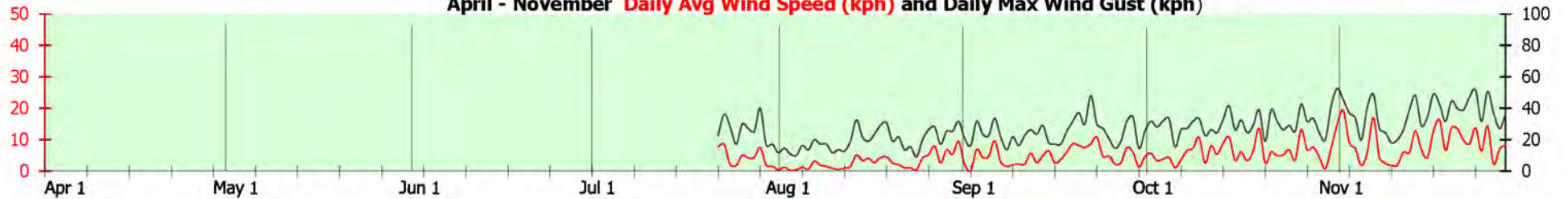
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall (mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

July 12, 2011

RH, Rain and Wind Sensors

July 22, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 21, 2014 23:35

Frost Free Duration:

176.7 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	0 [0]	0 [0]	-12.68	8.07	-2.93	-3.60	13.9	0.82	1.08			
February	1 [0]	0 [0]	-15.14	9.83	-2.88	-3.78	50.5	1.80	2.17			
March	0 [0]	0 [0]	-16.20	10.96	-1.98	-2.70	94.2	3.04	3.17			
April	53 [0]	14 [0]	-4.47	22.85	5.35	5.02	114.3	3.81	3.92			
May	134 [9]	29 [0]	-0.70	25.09	9.09	9.62	160.4	5.17	4.97			
June	278 [278]	128 [128]	2.16	22.97	13.82	15.56	171.3	5.71	5.80			
July	444 [444]	289 [289]	10.52	28.67	18.87	19.29	175.0	5.65	5.45	33.4	4.5	39.9
August	371 [371]	216 [216]	8.42	26.13	16.42	17.43	158.1	5.10	5.04	62.2	2.8	32.7
September	293 [293]	144 [144]	4.48	27.28	14.74	14.48	123.6	4.12	4.26	60.6	4.8	48.1
October	228 [228]	84 [84]	2.05	23.16	12.38	11.68	66.5	2.14	2.17	93.6	5.9	42.6
November	58 [39]	7 [1]	-4.11	18.89	5.46	4.34	31.6	1.05	1.21	220.6	8.8	52.6
December	26 [0]	3 [0]	-10.65	17.80	2.26	1.49	27.2	0.88	1.03	161.2	8.1	48.1
Totals, Averages or Extremes	1886 [1662]	914 [862]	-16.20	28.67	7.55	7.40	1186.6	39.30	40.26	631.6	5.8	52.6

Southwest NS Weather Study

Station Description

Station ID: AN2 (O)

Location: Parker Mountain

County: Annapolis

Contact: Stuart Robinson

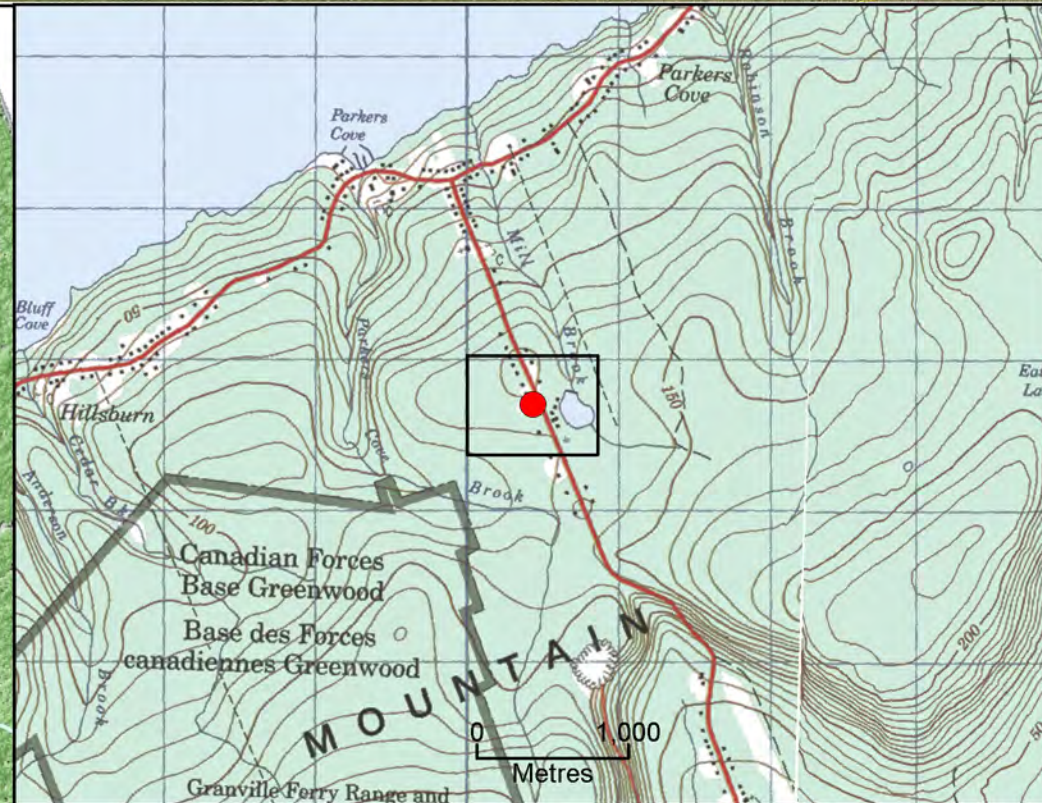
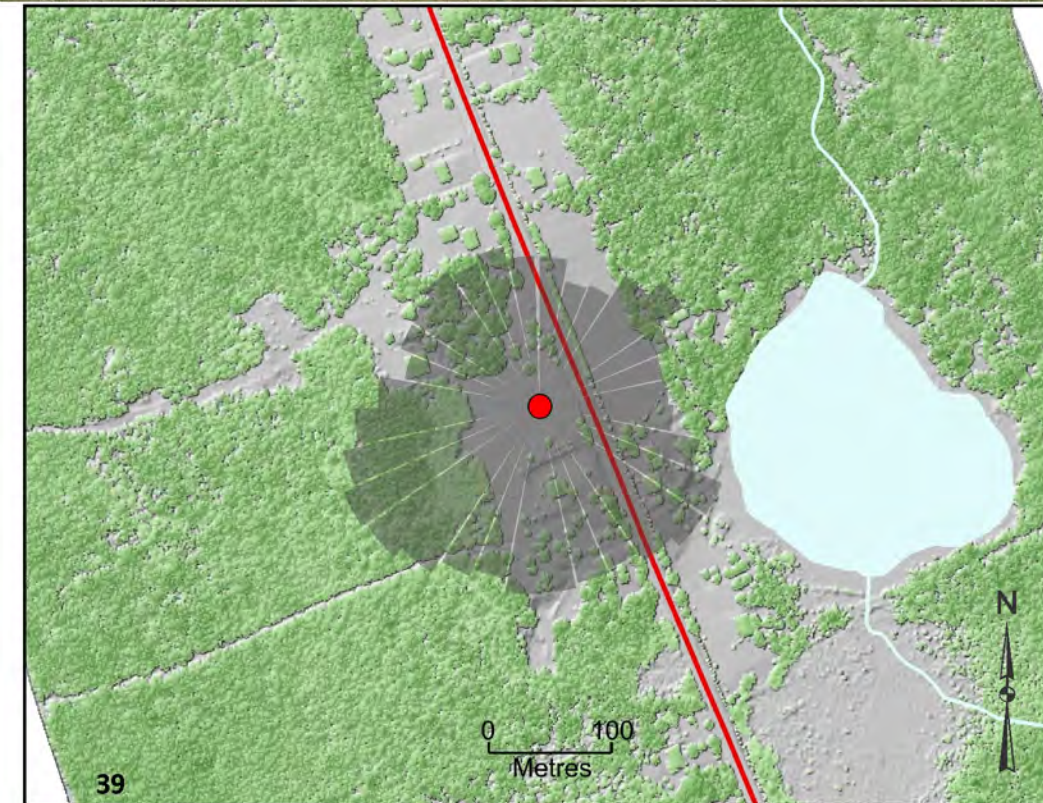
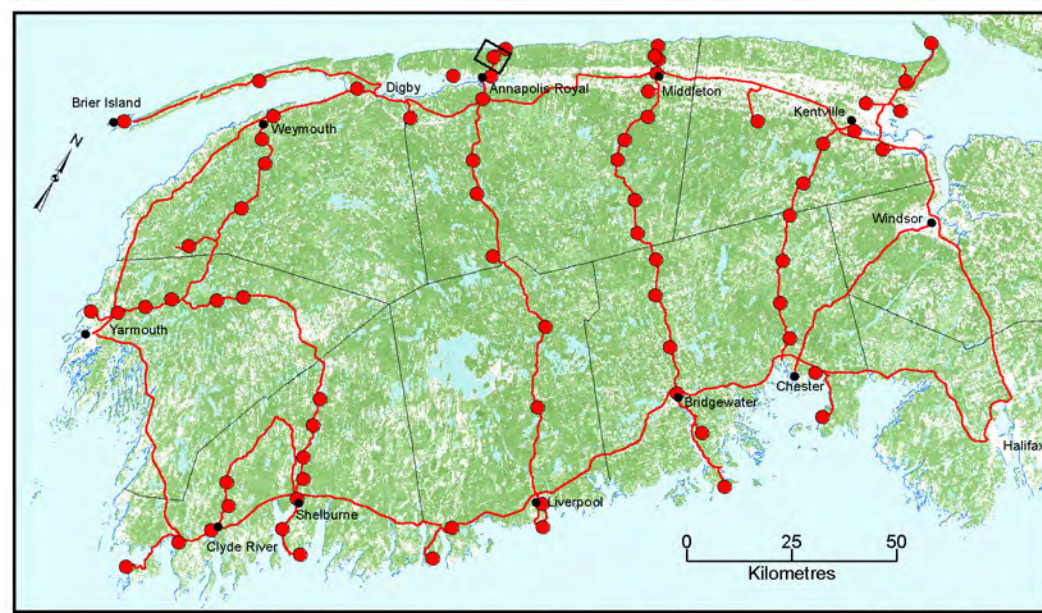
Deployed: 7/12/2011

Easting: 300451.585

Northing: 4963689.508

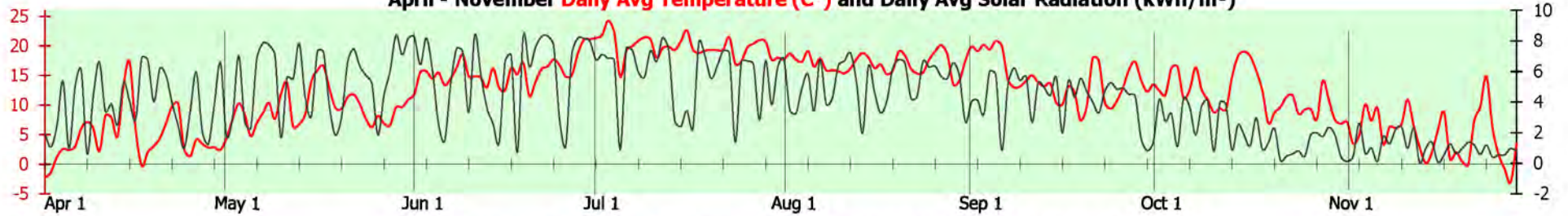
Height (m): 148.65

[UTM Zone 20, NAD 83]

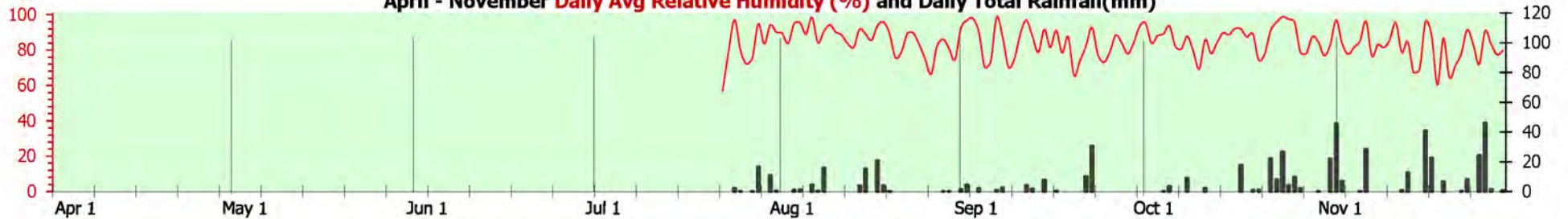


2014 Weather Data for Station AN2

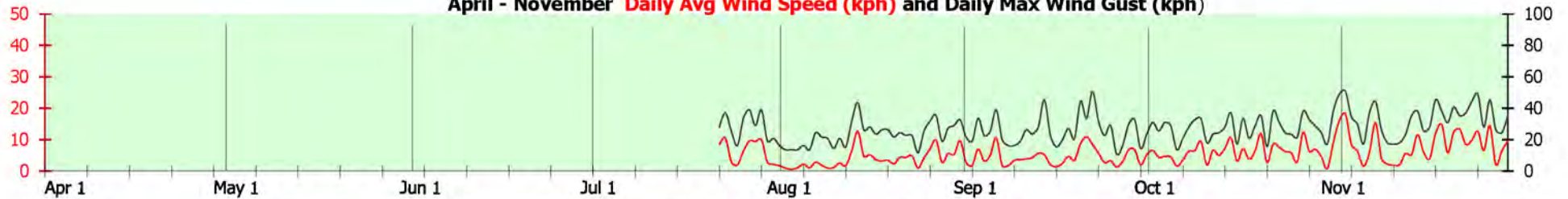
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall (mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:
July 12, 2011

RH, Rain and Wind Sensors
July 22, 2014

Frost Free Start:
May 29, 2014 06:10

Frost Free End:
November 21, 2014 22:55

Frost Free Duration:
176.7 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	10 [0]	0 [0]	-19.70	13.04	-4.06	-3.60	29.1	0.94	1.08			
February	0 [0]	0 [0]	-15.51	8.92	-4.22	-3.78	56.1	2.00	2.17			
March	0 [0]	0 [0]	-16.24	9.81	-3.26	-2.70	102.9	3.32	3.17			
April	50 [0]	12 [0]	-3.87	21.41	4.67	5.02	118.1	3.94	3.92			
May	150 [16]	33 [2]	-0.37	23.14	9.46	9.62	166.2	5.36	4.97			
June	322 [322]	172 [172]	3.33	28.47	15.55	15.56	175.9	5.86	5.80			
July	471 [471]	316 [316]	9.49	32.64	19.88	19.29	179.3	5.78	5.45	30.8	6.4	39.0
August	385 [385]	230 [230]	8.00	26.21	17.03	17.43	163.3	5.27	5.04	69.4	3.9	43.5
September	284 [284]	140 [140]	1.10	27.95	14.37	14.48	131.2	4.37	4.26	65.0	4.5	50.8
October	218 [218]	78 [78]	1.23	22.99	12.11	11.68	66.6	2.15	2.17	108.0	5.9	38.2
November	49 [32]	6 [1]	-4.53	18.95	5.07	4.34	31.9	1.06	1.21	268.0	8.4	50.8
December	20 [0]	2 [0]	-11.72	16.58	1.00	1.49	29.2	0.94	1.03	161.2	7.4	55.3
Totals, Averages or Extremes	1959 [1728]	989 [939]	-19.70	32.64	7.30	7.40	1249.7	41.00	40.26	702.4	6.1	55.3

Southwest NS Weather Study

Station Description

Station ID: AN3 (O)

Location: Granville Ferry

County: Annapolis

Contact: D Butler&j Burnell

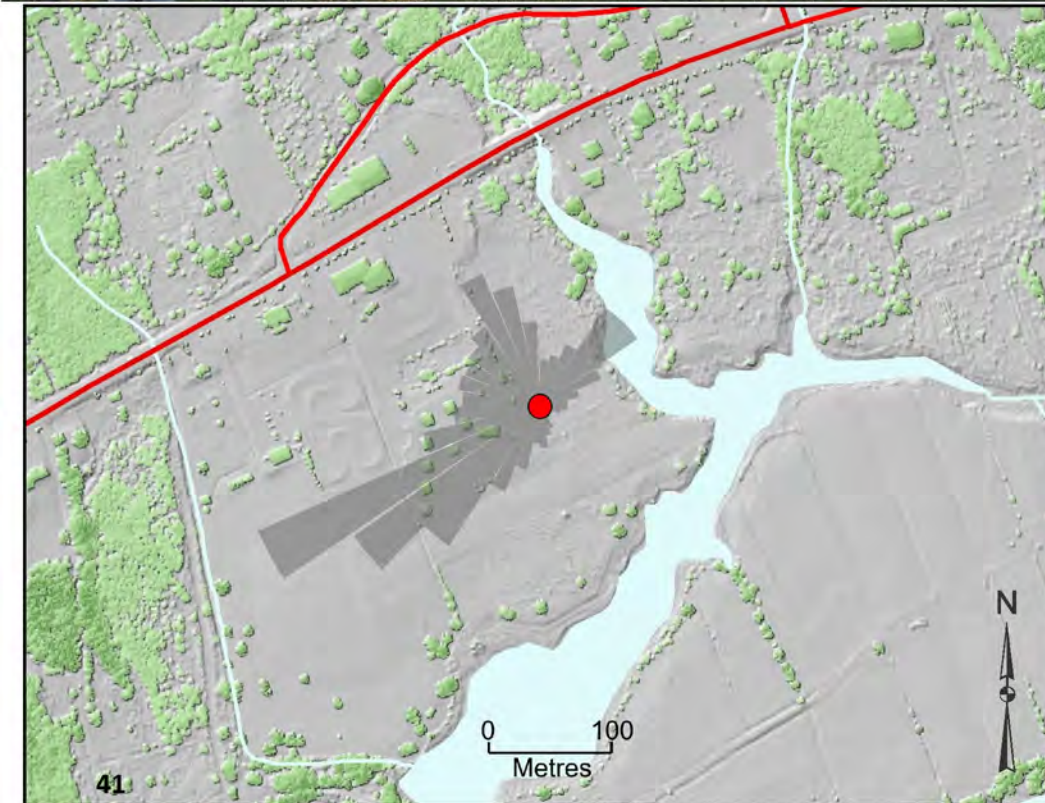
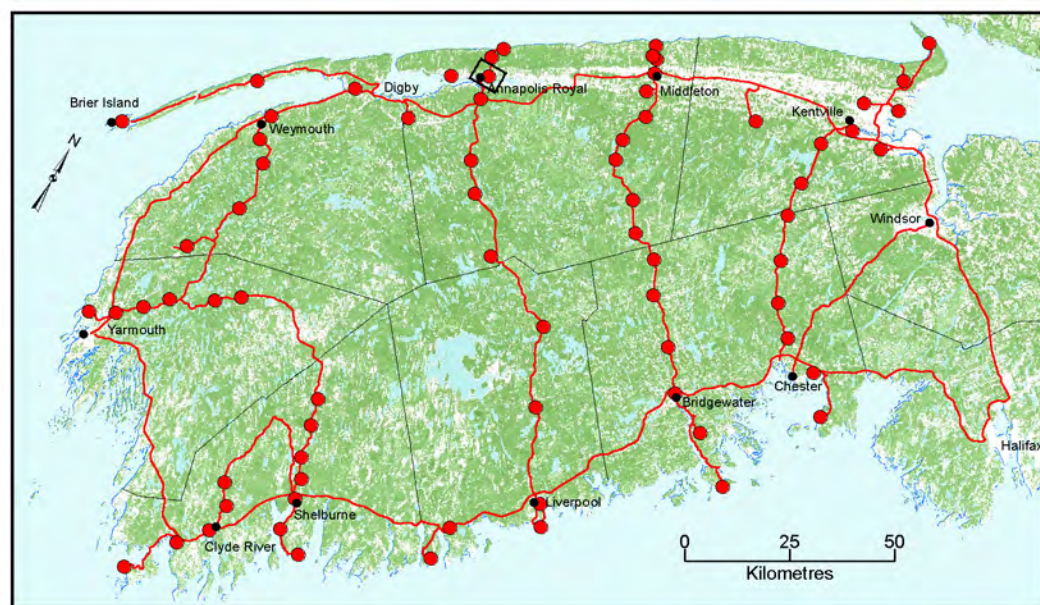
Deployed: 7/12/2011

Easting: 302103.319

Northing: 4959444.306

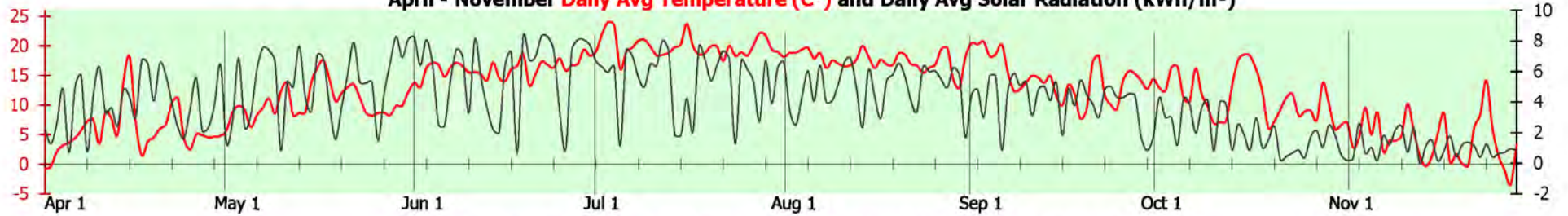
Height (m): 3.79

[UTM Zone 20, NAD 83]

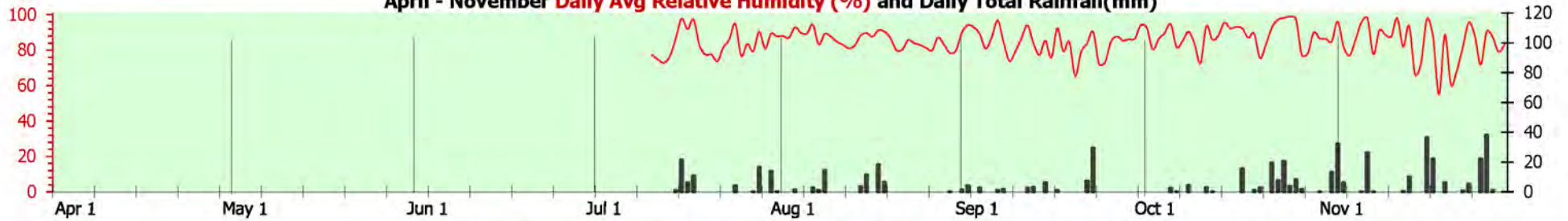


2014 Weather Data for Station AN3

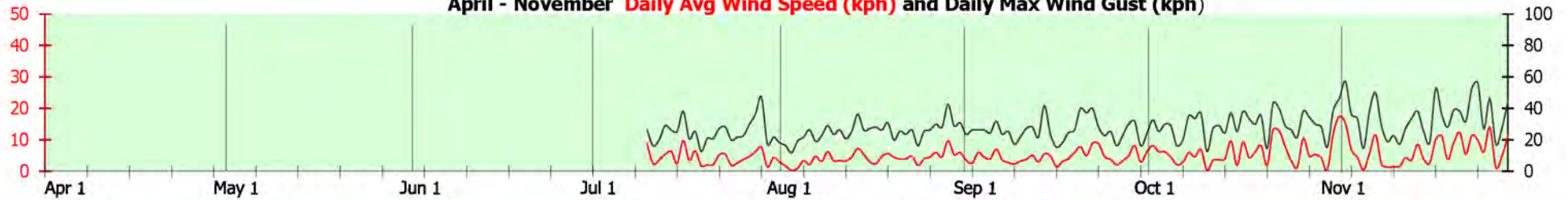
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:
July 12, 2011

RH, Rain and Wind Sensors
July 10, 2014

Frost Free Start:
May 29, 2014 06:10

Frost Free End:
November 08, 2014 20:30

Frost Free Duration:
161.6 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	11 [0]	0 [0]	-19.10	14.12	-3.14	-3.60	29.9	0.96	1.08			
February	0 [0]	0 [0]	-23.20	9.41	-3.62	-3.78	57.4	2.05	2.17			
March	2 [0]	0 [0]	-24.54	11.15	-2.73	-2.70	100.2	3.23	3.17			
April	50 [0]	12 [0]	-4.41	21.84	5.73	5.02	118.1	3.94	3.92			
May	178 [6]	46 [1]	-1.67	23.93	10.53	9.62	160.3	5.17	4.97			
June	338 [338]	188 [188]	2.96	30.32	16.12	15.56	175.7	5.86	5.80			
July	467 [467]	312 [312]	8.77	28.99	19.92	19.29	170.9	5.51	5.45	75.0	4.5	47.1
August	398 [398]	243 [243]	3.78	26.60	17.52	17.43	155.1	5.00	5.04	62.0	4.1	42.6
September	279 [279]	137 [137]	-1.41	26.59	14.45	14.48	126.8	4.23	4.26	60.6	4.6	41.7
October	199 [199]	69 [69]	-0.70	24.75	11.57	11.68	66.8	2.16	2.17	92.4	5.5	43.5
November	35 [10]	4 [0]	-6.36	19.18	4.31	4.34	32.6	1.09	1.21	222.0	7.1	57.1
December	22 [0]	3 [0]	-10.55	17.75	1.71	1.49	28.8	0.93	1.03	153.2	7.0	57.1
Totals, Averages or Extremes	1979 [1697]	1014 [950]	-24.54	30.32	7.70	7.40	1222.8	40.13	40.26	665.2	5.5	57.1

Southwest NS Weather Study

Station Description

Station ID: AN4 (O)

Location: Annapolis Royal

County: Annapolis

Contact: S. & G. Lane

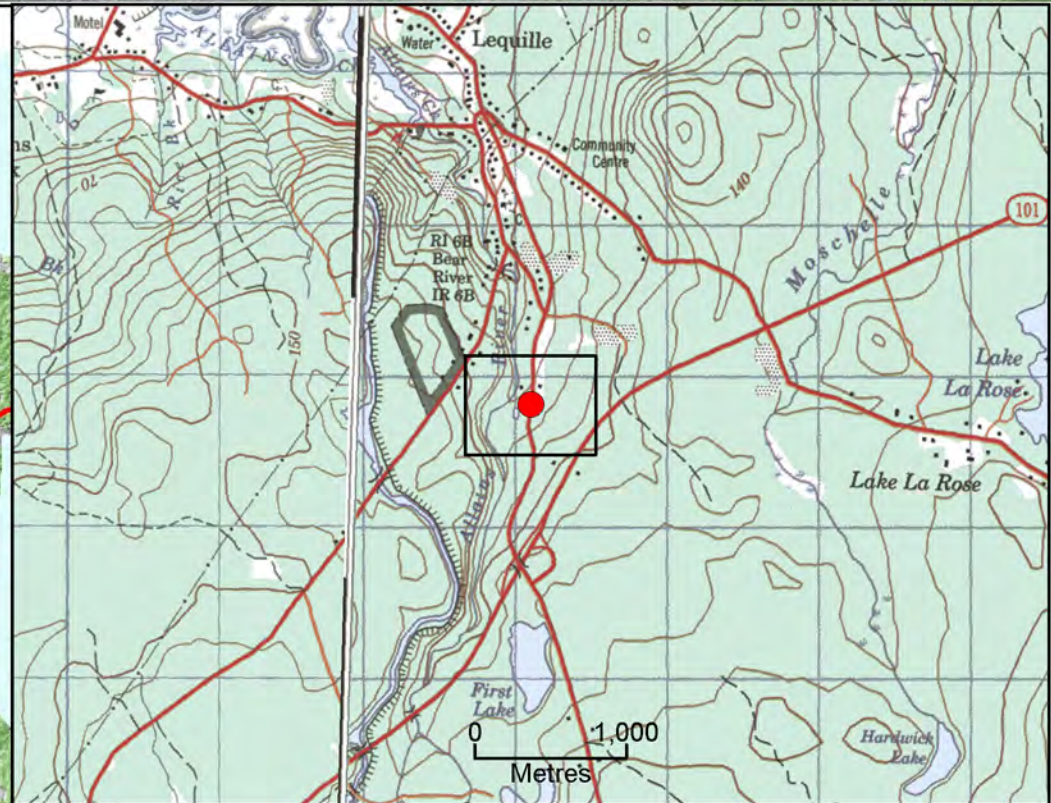
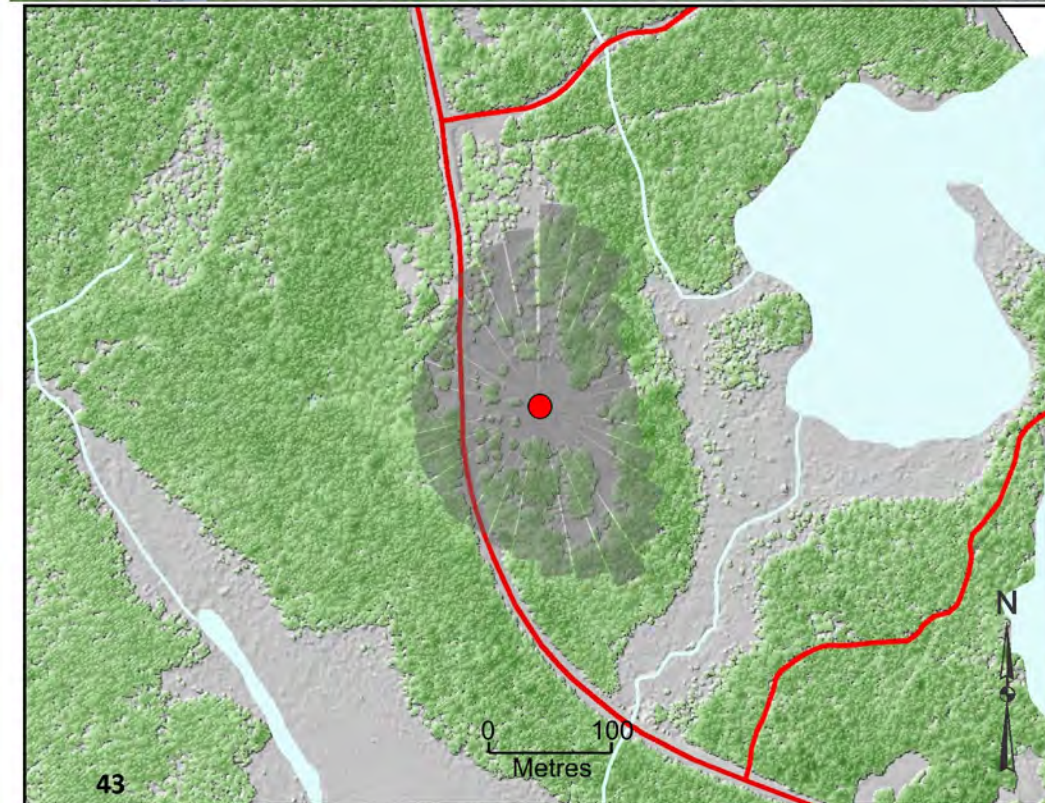
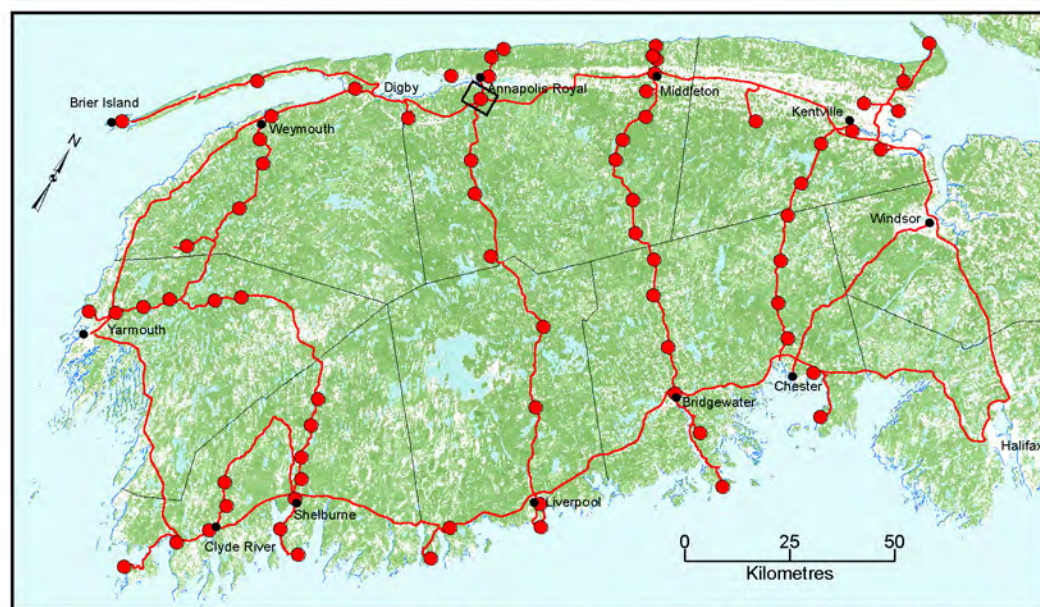
Deployed: 7/12/2011

Easting: 303086.646

Northing: 4953836.792

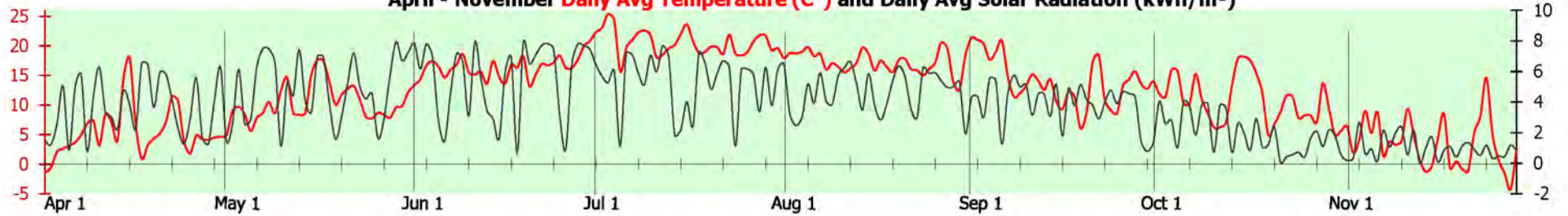
Height (m): 67.42

[UTM Zone 20, NAD 83]

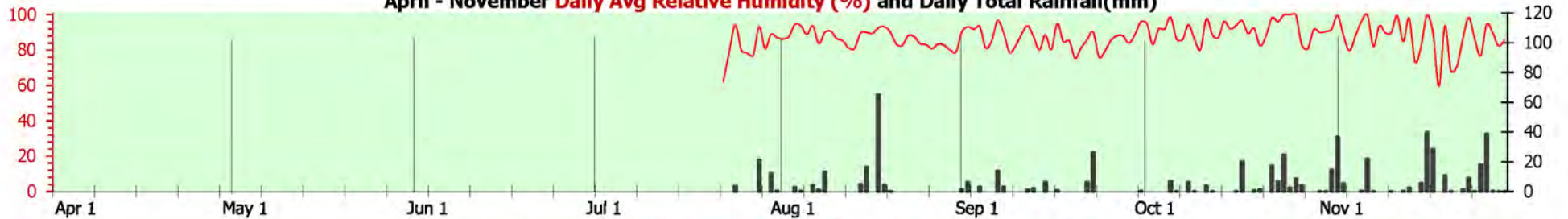


2014 Weather Data for Station AN4

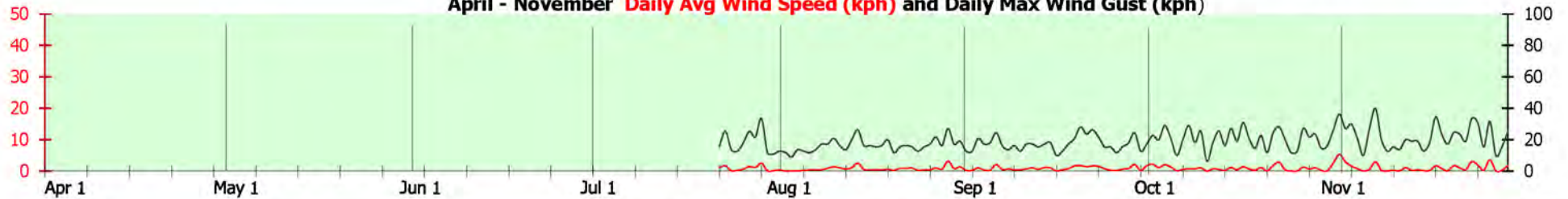
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:
July 12, 2011

RH, Rain and Wind Sensors
July 22, 2014

Frost Free Start:
May 29, 2014 06:10

Frost Free End:
November 08, 2014 19:05

Frost Free Duration:
161.5 days

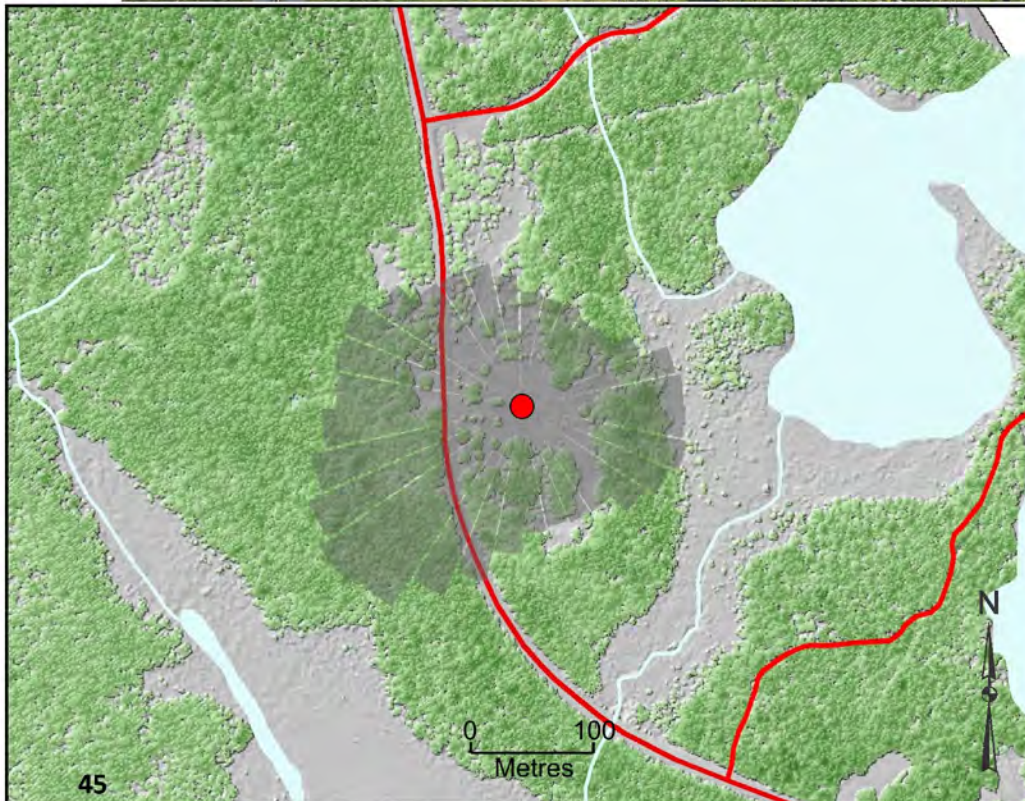
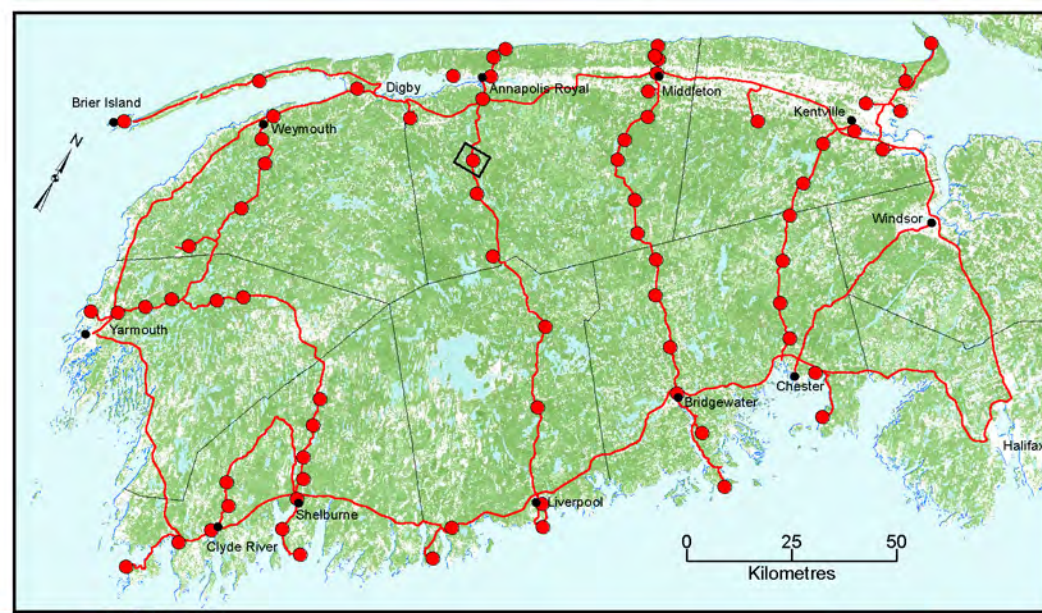
2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	9 [0]	0 [0]	-19.89	13.52	-3.79	-3.60	25.7	0.83	1.08			
February	1 [0]	0 [0]	-22.12	9.44	-4.24	-3.78	51.5	1.84	2.17			
March	1 [0]	0 [0]	-24.99	11.35	-3.34	-2.70	92.7	2.99	3.17			
April	53 [0]	14 [0]	-5.45	22.87	5.40	5.02	112.0	3.73	3.92			
May	176 [6]	45 [1]	-2.13	25.26	10.36	9.62	151.3	4.88	4.97			
June	347 [347]	197 [197]	2.13	31.10	16.34	15.56	169.7	5.66	5.80			
July	495 [495]	340 [340]	8.79	31.26	20.59	19.29	166.3	5.37	5.45	37.6	0.9	33.6
August	399 [399]	244 [244]	3.41	28.17	17.23	17.43	148.5	4.79	5.04	114.8	0.7	27.2
September	284 [284]	141 [141]	-1.38	29.34	14.01	14.48	121.6	4.05	4.26	70.4	0.8	28.1
October	189 [189]	64 [64]	-1.73	25.45	11.02	11.68	64.1	2.07	2.17	105.4	0.9	30.8
November	29 [7]	3 [0]	-8.20	18.13	3.65	4.34	31.0	1.03	1.21	236.0	1.2	39.9
December	21 [0]	2 [0]	-12.20	17.06	1.10	1.49	25.7	0.83	1.03	172.2	1.4	36.3
Totals, Averages or Extremes	2004 [1727]	1050 [987]	-24.99	31.26	7.36	7.40	1160.0	38.06	40.26	736.4	1.0	39.9

Southwest NS Weather Study

Station Description

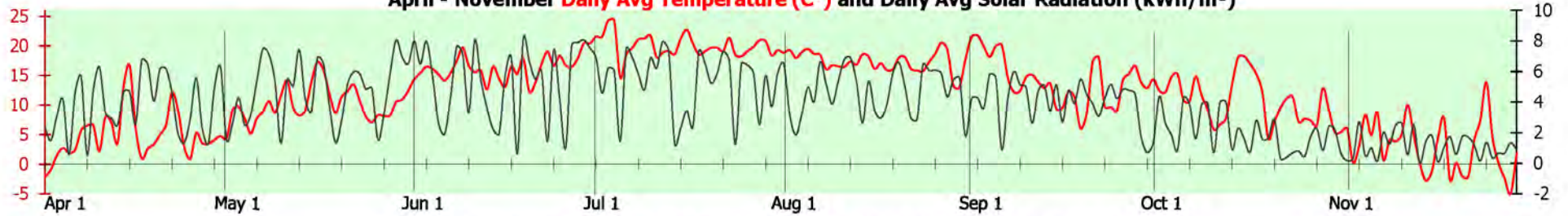
Station ID: AN5 (O)
Location: Milford
County: Annapolis
Contact: Jim Langmire
Deployed: 7/12/2011

Easting: 308475.086
Northing: 4939947.374
Height (m): 173.24
[UTM Zone 20, NAD 83]

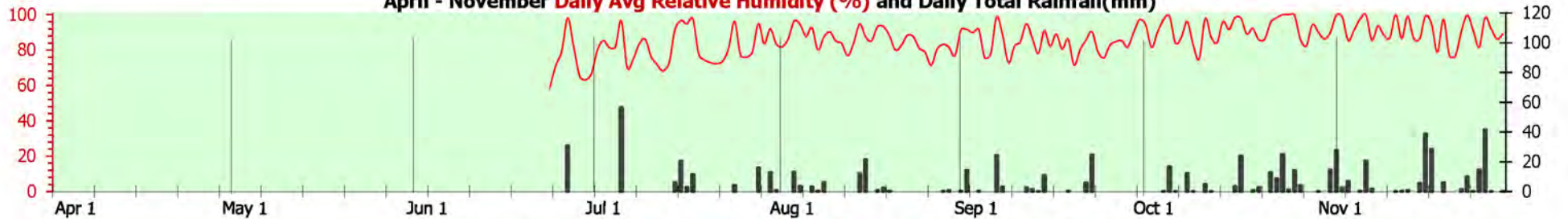


2014 Weather Data for Station AN5

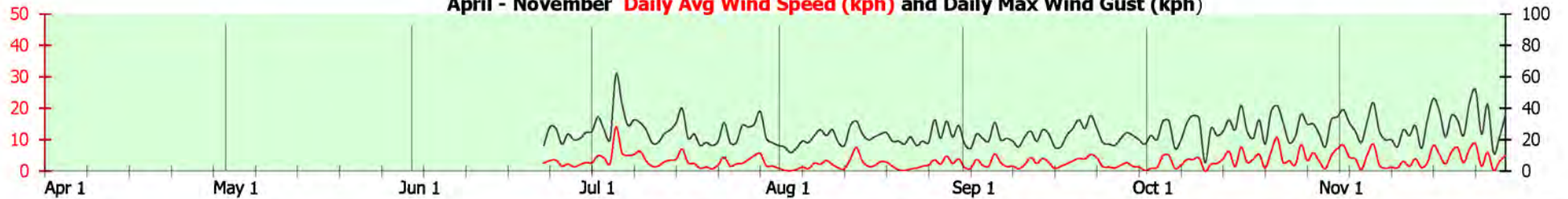
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

July 12, 2011

RH, Rain and Wind Sensors

June 23, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 08, 2014 21:15

Frost Free Duration:

163.6 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	6 [0]	0 [0]	-20.36	12.90	-4.60	-3.60	31.4	1.01	1.08			
February	0 [0]	0 [0]	-25.16	9.21	-5.19	-3.78	58.1	2.07	2.17			
March	1 [0]	0 [0]	-25.73	10.54	-3.96	-2.70	95.7	3.09	3.17			
April	46 [0]	12 [0]	-4.65	21.72	4.86	5.02	116.1	3.87	3.92			
May	172 [18]	42 [3]	-1.53	25.21	10.14	9.62	147.9	4.77	4.97			
June	341 [341]	191 [191]	2.32	29.27	16.27	15.56	162.9	5.43	5.80	30.8	2.4	28.1
July	475 [475]	320 [320]	9.44	30.12	20.02	19.29	166.4	5.37	5.45	131.8	3.6	61.6
August	398 [398]	243 [243]	3.85	27.88	17.34	17.43	148.6	4.79	5.04	65.8	2.1	32.6
September	278 [278]	135 [135]	-1.13	29.49	14.15	14.48	125.5	4.18	4.26	88.6	2.5	35.4
October	188 [188]	66 [66]	-1.64	22.99	10.98	11.68	65.3	2.11	2.17	132.2	3.5	41.7
November	27 [6]	3 [0]	-9.10	17.34	3.09	4.34	35.4	1.18	1.21	224.2	4.2	51.7
December	16 [0]	1 [0]	-15.67	16.03	0.57	1.49	29.2	0.94	1.03	218.4	4.3	51.7
Totals, Averages or Extremes	1948 [1704]	1013 [958]	-25.73	30.12	6.97	7.40	1182.5	38.82	40.26	891.8	3.2	61.6

Southwest NS Weather Study

Station Description

Station ID: AN6 (O)

Location: South Milford

County: Annapolis

Contact: Leslee Fredericks

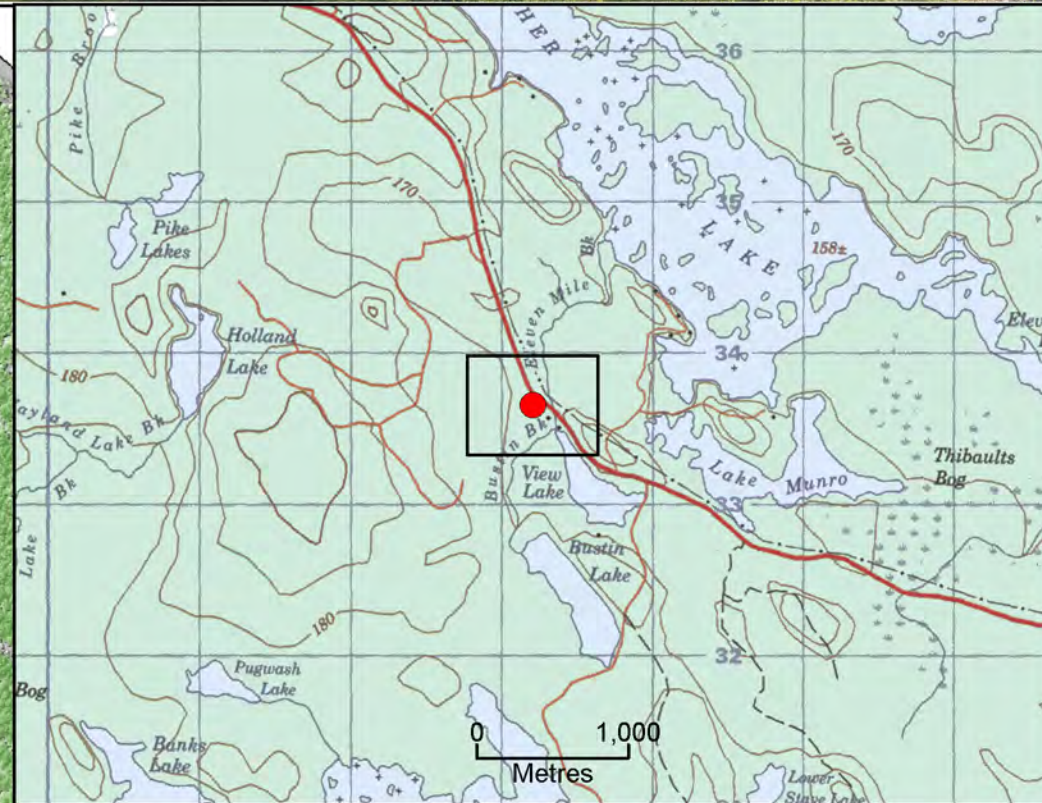
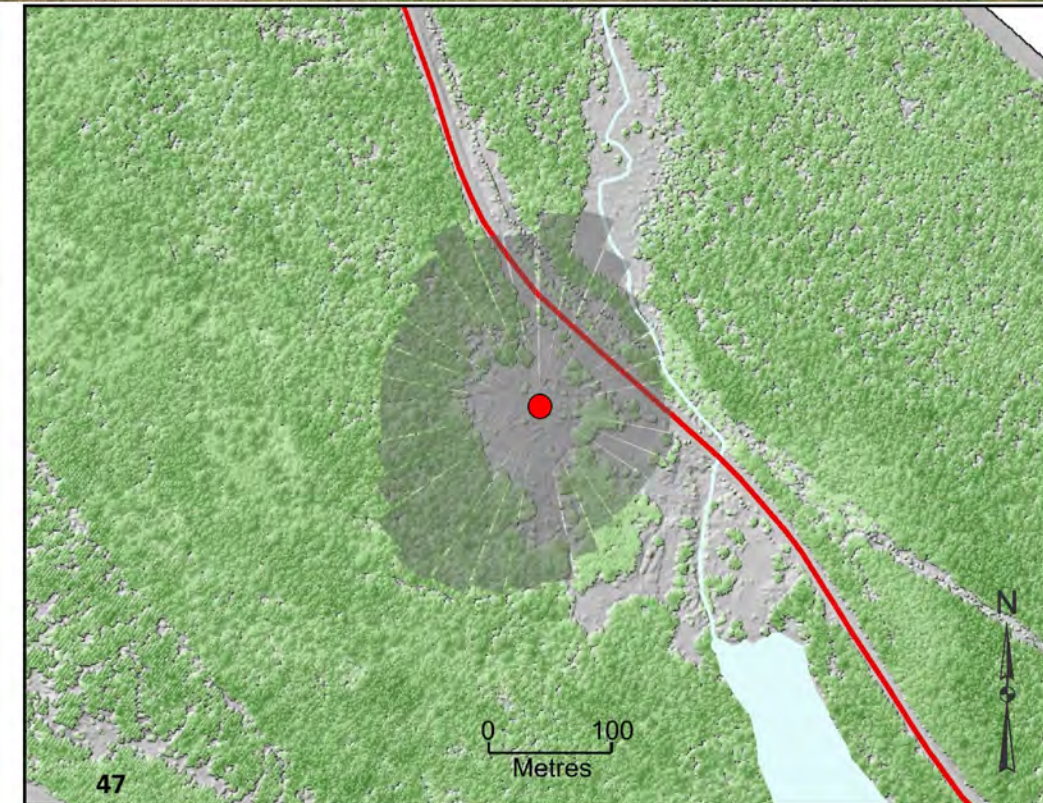
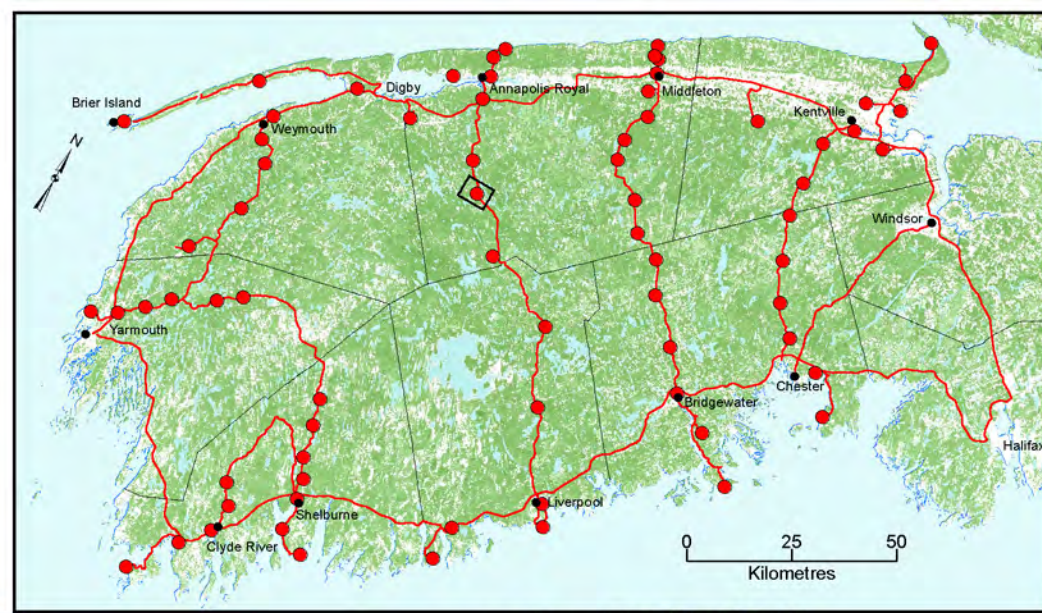
Deployed: 7/12/2011

Easting: 313210.657

Northing: 4933647.484

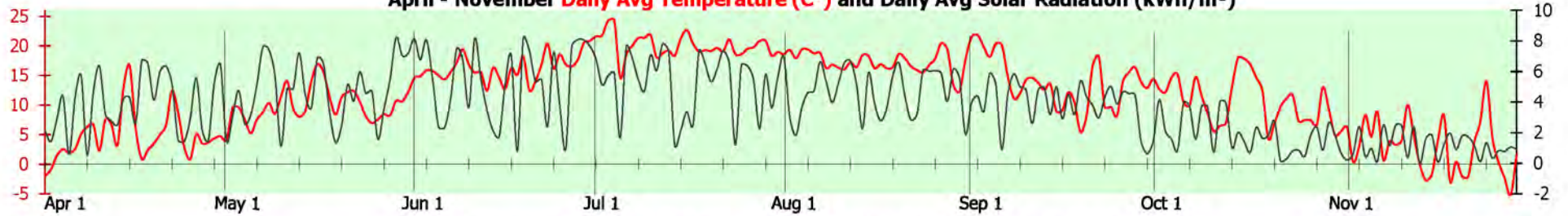
Height (m): 166.23

[UTM Zone 20, NAD 83]

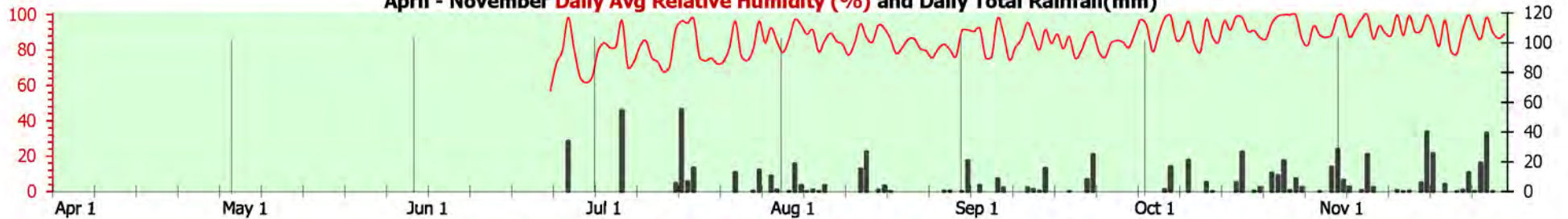


2014 Weather Data for Station AN6

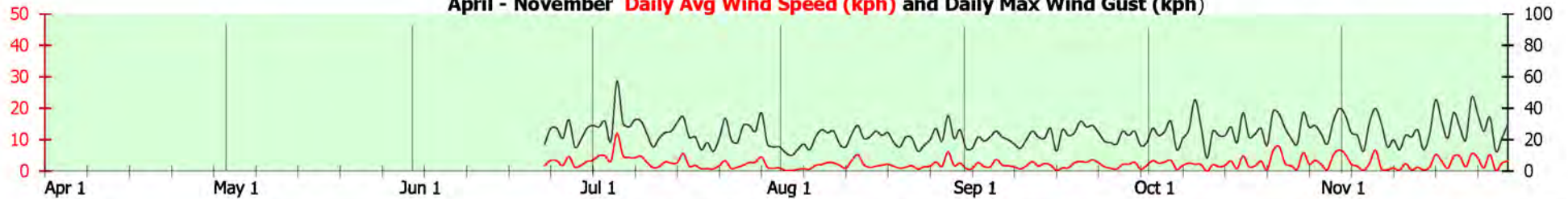
April - November Daily Avg Temperature (C°) and Daily Avg Solar Radiation (kWh/m²)



April - November Daily Avg Relative Humidity (%) and Daily Total Rainfall(mm)



April - November Daily Avg Wind Speed (kph) and Daily Max Wind Gust (kph)



Station Deployment:

July 12, 2011

RH, Rain and Wind Sensors

June 23, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

September 20, 2014 05:55

Frost Free Duration:

112 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	5 [0]	0 [0]	-20.98	13.06	-4.74	-3.60	31.6	1.02	1.08			
February	0 [0]	0 [0]	-24.82	9.51	-5.32	-3.78	57.3	2.05	2.17			
March	1 [0]	0 [0]	-24.99	10.74	-3.95	-2.70	90.8	2.93	3.17			
April	44 [0]	11 [0]	-4.56	22.35	4.81	5.02	115.5	3.85	3.92			
May	158 [6]	37 [1]	-2.74	25.55	9.97	9.62	146.2	4.72	4.97			
June	332 [332]	182 [182]	1.72	30.19	16.24	15.56	163.3	5.44	5.80	34.0	2.6	32.6
July	476 [476]	321 [321]	7.87	31.13	20.05	19.29	164.5	5.31	5.45	178.2	3.0	57.1
August	387 [387]	232 [232]	1.72	27.68	17.29	17.43	148.4	4.79	5.04	77.4	1.8	35.4
September	265 [181]	126 [91]	-2.60	28.72	13.93	14.48	121.7	4.06	4.26	90.2	1.8	31.7
October	177 [0]	60 [0]	-2.36	22.54	10.84	11.68	62.7	2.02	2.17	139.0	2.5	45.3
November	27 [0]	3 [0]	-10.09	17.75	2.99	4.34	36.4	1.21	1.21	236.0	2.7	47.1
December	16 [0]	0 [0]	-15.06	15.99	0.61	1.49	29.6	0.96	1.03	227.8	2.9	51.7
Totals, Averages or Extremes	1888 [1382]	972 [827]	-24.99	31.13	6.89	7.40	1168.2	38.35	40.26	982.6	2.5	57.1

Southwest NS Weather Study

Station Description

Station ID: AN7 (O)

Location: Maitland Bridge

County: Annapolis

Contact: KNP&NHS

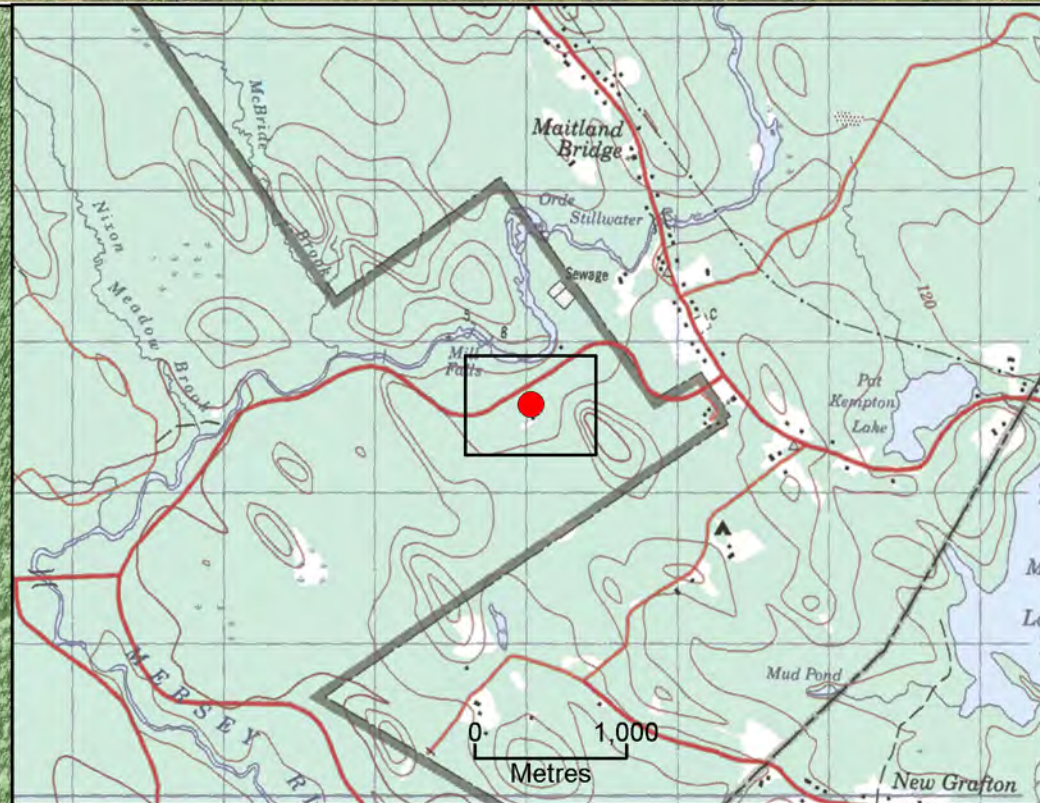
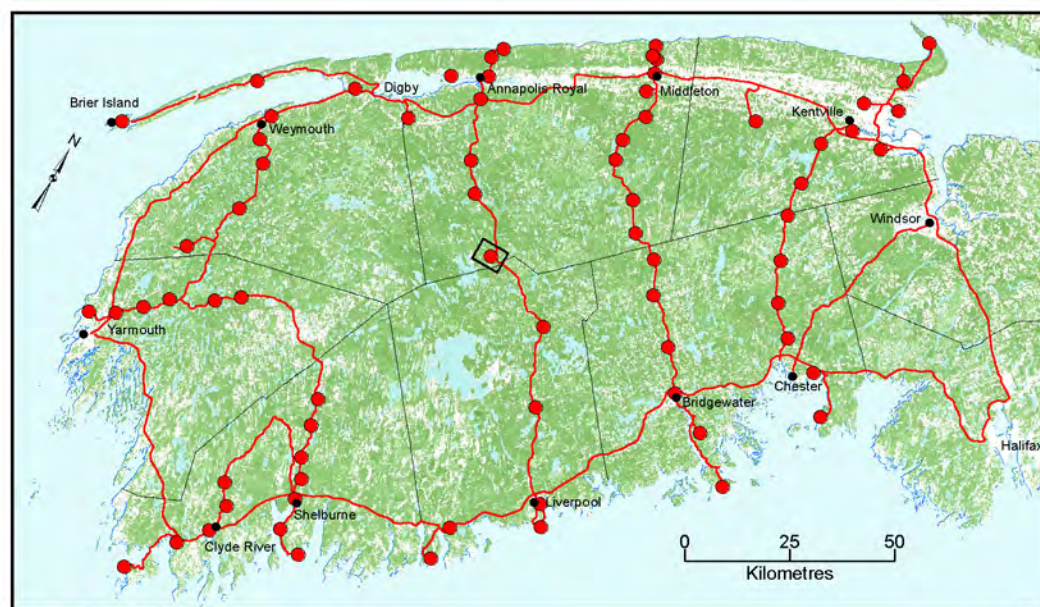
Deployed: 8/24/2011

Easting: 324096.244

Northing: 4922598.923

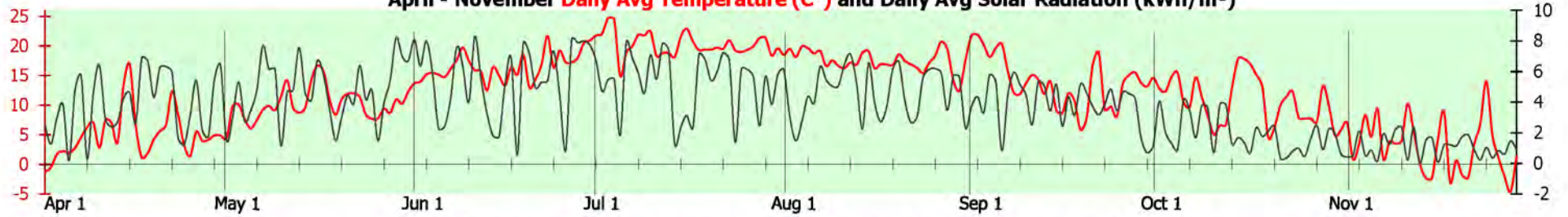
Height (m): 119.32

[UTM Zone 20, NAD 83]

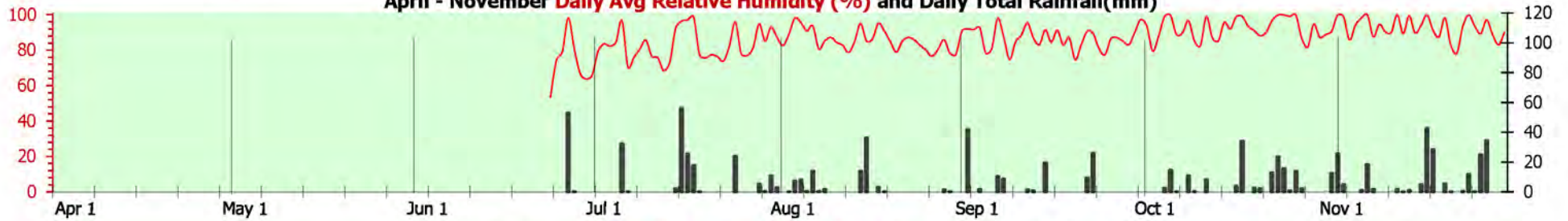


2014 Weather Data for Station AN7

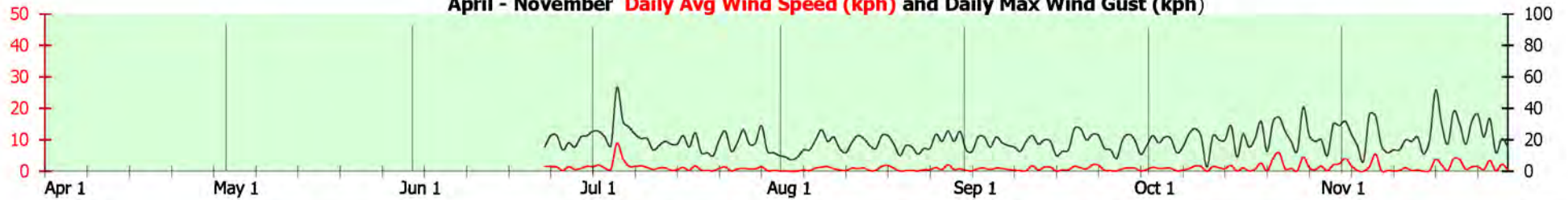
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:
August 24, 2011

RH, Rain and Wind Sensors
June 23, 2014

Frost Free Start:
May 29, 2014 06:10

Frost Free End:
September 20, 2014 04:45

Frost Free Duration:
111.9 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	5 [0]	0 [0]	-22.89	12.17	-4.64	-3.60	30.1	0.97	1.08			
February	0 [0]	0 [0]	-24.60	9.24	-5.03	-3.78	56.4	2.02	2.17			
March	2 [0]	0 [0]	-24.00	12.24	-3.63	-2.70	94.7	3.05	3.17			
April	48 [0]	14 [0]	-4.68	23.04	5.04	5.02	116.8	3.89	3.92			
May	171 [7]	41 [2]	-2.04	25.72	10.17	9.62	146.4	4.72	4.97			
June	345 [345]	195 [195]	1.51	31.46	16.46	15.56	165.2	5.51	5.80	53.2	1.2	22.7
July	484 [484]	329 [329]	7.49	30.93	20.28	19.29	164.1	5.29	5.45	177.2	1.3	53.5
August	399 [399]	244 [244]	1.64	28.97	17.54	17.43	146.7	4.73	5.04	88.4	0.7	26.3
September	273 [186]	134 [95]	-3.15	29.32	13.96	14.48	120.7	4.02	4.26	120.2	0.8	27.2
October	186 [0]	63 [0]	-2.13	22.92	10.96	11.68	62.2	2.01	2.17	149.0	1.3	40.8
November	34 [0]	3 [0]	-10.02	17.82	3.19	4.34	34.2	1.14	1.21	221.4	1.5	51.7
December	19 [0]	1 [0]	-16.37	16.27	0.78	1.49	26.6	0.86	1.03	233.6	1.6	39.9
Totals, Averages or Extremes	1966 [1421]	1024 [865]	-24.60	31.46	7.09	7.40	1164.1	38.22	40.26	1043.0	1.2	53.5

Southwest NS Weather Study

Station Description

Station ID: BI1 (O)

Location: Brier Island

County: Digby

Contact: David Pugh

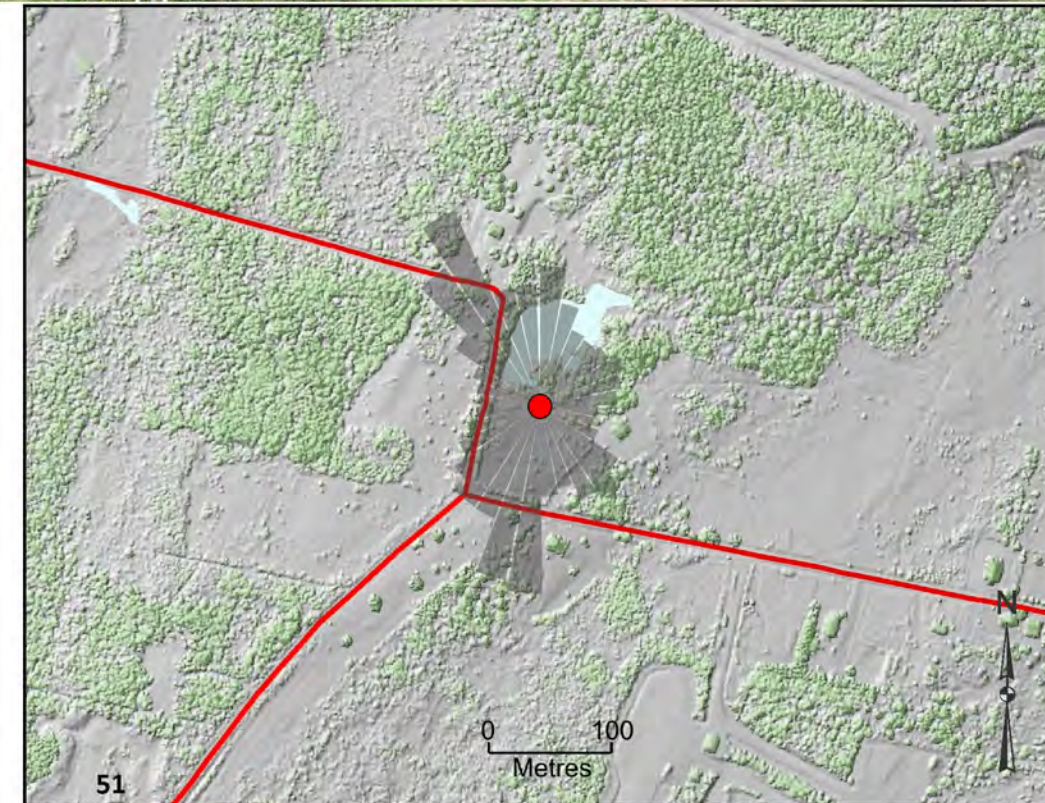
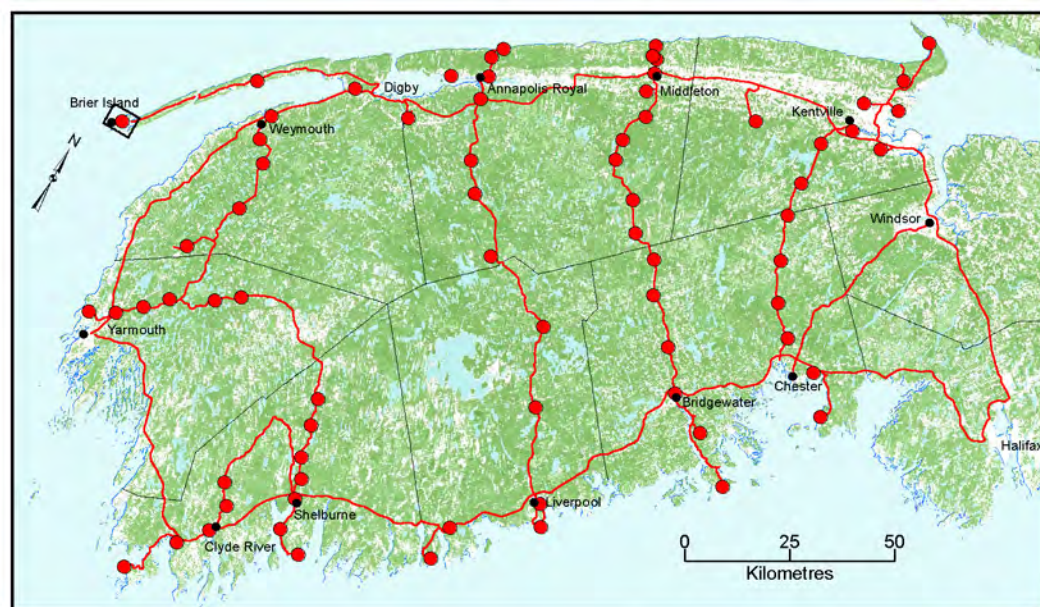
Deployed: 8/26/2011

Easting: 231385.732

Northing: 4906214.738

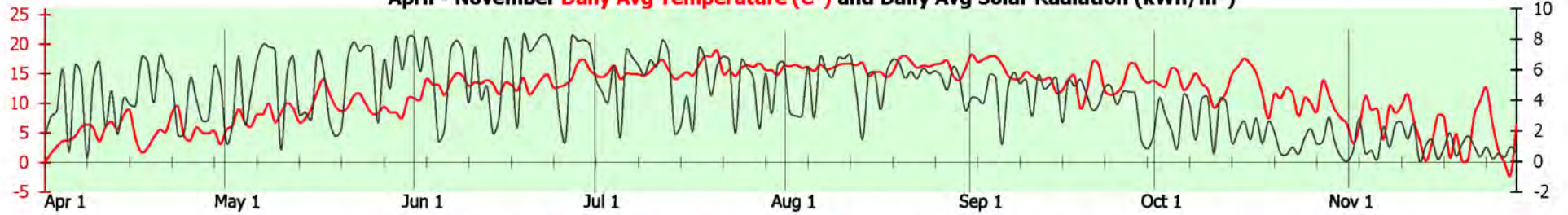
Height (m): 31.6

[UTM Zone 20, NAD 83]

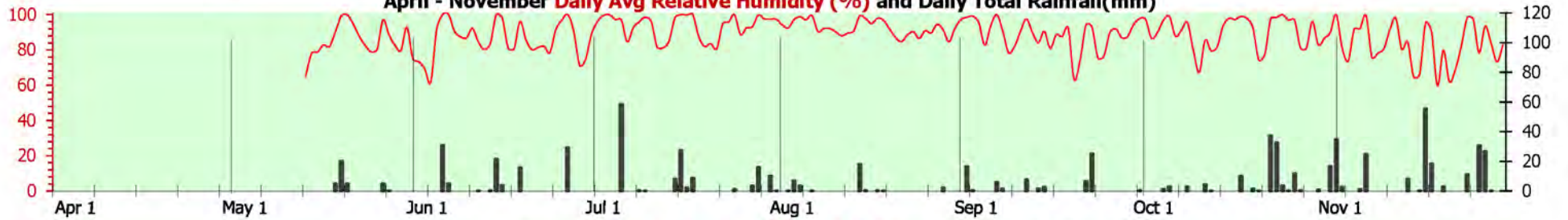


2014 Weather Data for Station BI1

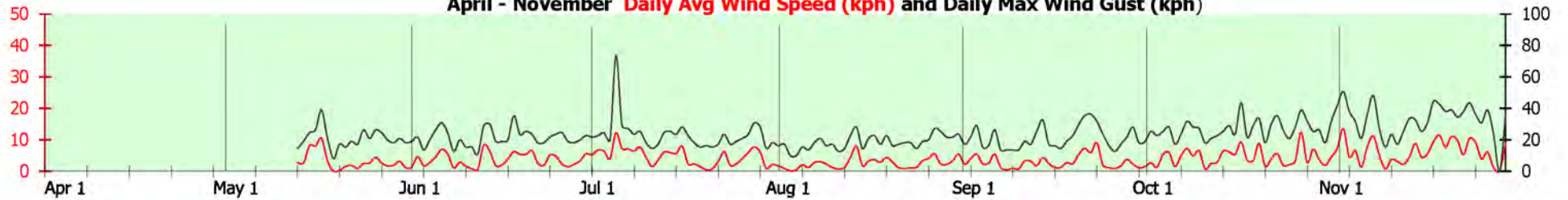
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:
August 26, 2011

RH, Rain and Wind Sensors
May 13, 2014

Frost Free Start:
May 29, 2014 06:10

Frost Free End:
November 21, 2014 21:20

Frost Free Duration:
205.6 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	7 [0]	0 [0]	-14.87	10.44	-1.94	-3.60	29.5	0.95	1.08			
February	0 [0]	0 [0]	-12.20	8.22	-2.07	-3.78	56.6	2.02	2.17			
March	1 [0]	0 [0]	-12.68	9.31	-1.28	-2.70	96.9	3.13	3.17			
April	30 [0]	1 [0]	-1.81	14.60	4.88	5.02	125.5	4.18	3.92			
May	143 [143]	17 [17]	2.66	20.17	8.94	9.62	163.1	5.26	4.97	34.8	3.2	39.0
June	275 [275]	125 [125]	5.39	25.16	13.47	15.56	179.8	5.99	5.80	106.2	3.7	35.4
July	355 [355]	200 [200]	10.76	25.55	15.68	19.29	162.8	5.25	5.45	136.8	4.7	73.4
August	374 [374]	219 [219]	8.77	26.82	16.11	17.43	164.2	5.30	5.04	32.4	2.6	28.1
September	296 [296]	147 [147]	4.43	23.21	14.60	14.48	129.2	4.31	4.26	68.4	3.0	36.3
October	235 [235]	87 [87]	4.53	22.54	12.48	11.68	67.9	2.19	2.17	110.2	4.4	43.5
November	64 [46]	6 [3]	-4.02	16.92	5.87	4.34	33.0	1.10	1.21	232.8	6.3	50.8
December	23 [0]	1 [0]	-8.60	14.19	2.84	1.49	39.4	1.27	1.03	220.0	6.4	46.2
Totals, Averages or Extremes	1803 [1724]	803 [798]	-14.87	26.82	7.46	7.40	1248.0	40.96	40.26	941.6	4.3	73.4

Southwest NS Weather Study

Station Description

Station ID: BR1 (O)

Location: Kingsburg

County: Lunenburg

Contact: Donna Fleming

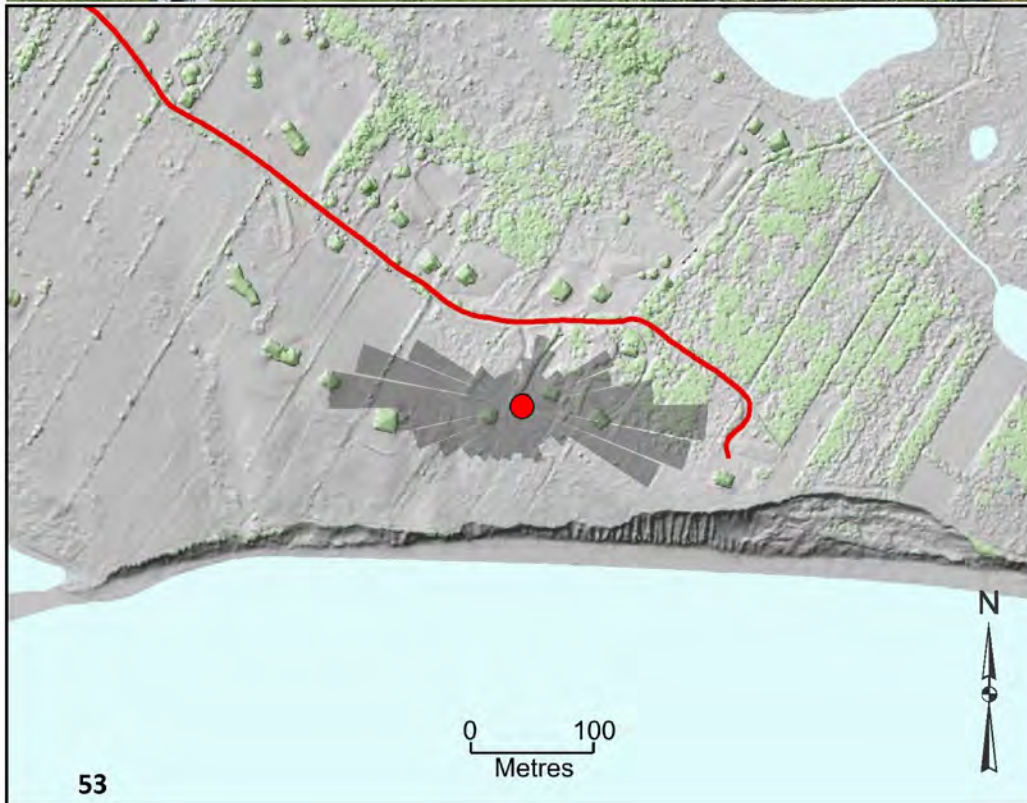
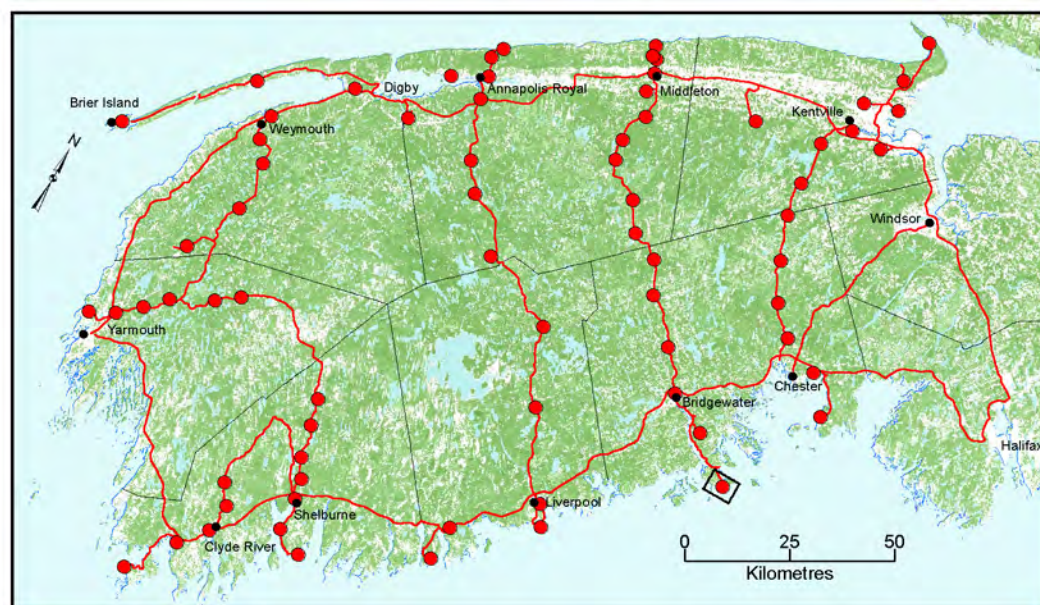
Deployed: 5/6/2011

Easting: 399202.424

Northing: 4902539.408

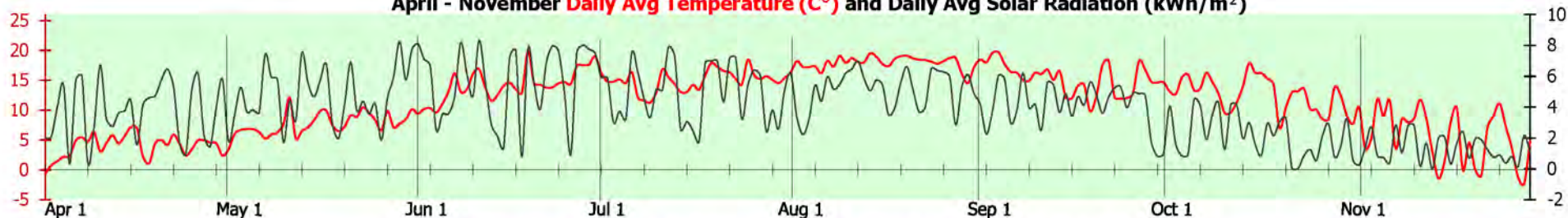
Height (m): 5.67

[UTM Zone 20, NAD 83]

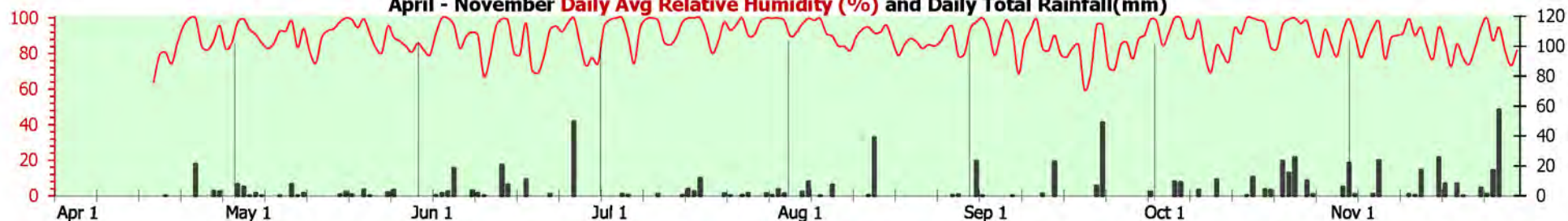


2014 Weather Data for Station BR1

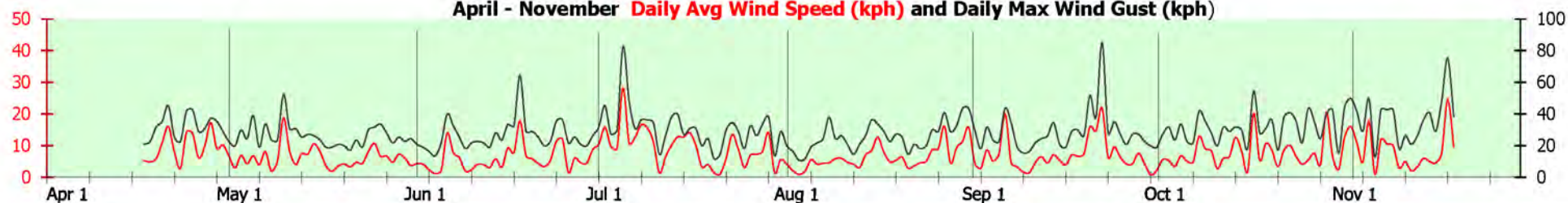
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall (mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 06, 2011

RH, Rain and Wind Sensors

April 17, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 15, 2014 05:40

Frost Free Duration:

199 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	2 [0]	0 [0]	-17.30	10.49	-2.74	-3.60	40.4	1.30	1.08			
February	1 [0]	0 [0]	-15.51	10.27	-2.61	-3.78	68.1	2.43	2.17			
March	1 [0]	0 [0]	-16.58	9.93	-1.79	-2.70	100.8	3.25	3.17			
April	17 [0]	0 [0]	-1.84	12.07	3.99	5.02	115.0	3.83	3.92	27.6	9.6	45.3
May	101 [101]	8 [8]	1.51	22.18	7.68	9.62	148.0	4.77	4.97	40.0	6.2	52.6
June	293 [293]	143 [143]	5.87	27.11	14.13	15.56	168.9	5.63	5.80	118.8	5.9	64.4
July	324 [324]	169 [169]	9.51	25.96	14.97	19.29	155.0	5.00	5.45	35.2	9.4	82.5
August	415 [415]	260 [260]	9.16	26.01	17.91	17.43	161.1	5.20	5.04	60.8	6.3	43.5
September	319 [319]	169 [169]	5.67	26.84	15.37	14.48	128.8	4.29	4.26	106.4	7.0	85.2
October	241 [241]	92 [92]	3.64	25.14	12.80	11.68	70.3	2.27	2.17	129.2	7.3	54.4
November	68 [45]	6 [5]	-5.02	15.61	5.77	4.34	40.8	1.36	1.21	196.4	8.8	75.2
December	17 [0]	0 [0]	-13.09	12.56	2.32	1.49	35.8	1.16	1.03	234.8	7.5	58.0
Totals, Averages or Extremes	1799 [1738]	847 [846]	-17.30	27.11	7.31	7.40	1233.1	40.50	40.26	949.2	7.6	85.2

Southwest NS Weather Study

Station Description

Station ID: BR2 (O)

Location: Crouse Settlement

County: Lunenburg

Contact: Bev Martel

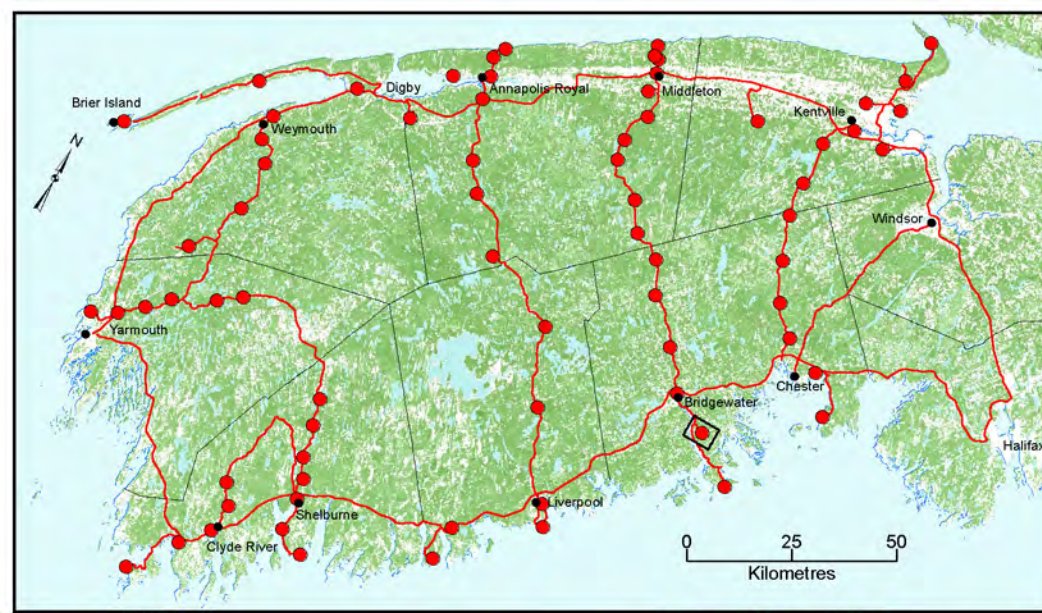
Deployed: 5/3/2011

Easting: 388205.892

Northing: 4910969.737

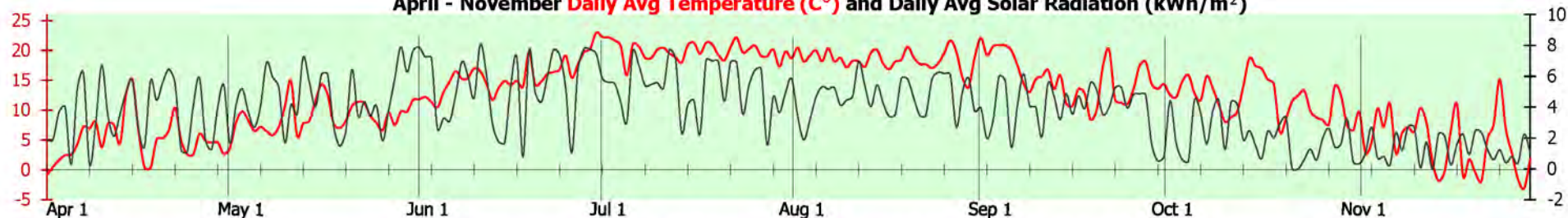
Height (m): 51.5

[UTM Zone 20, NAD 83]

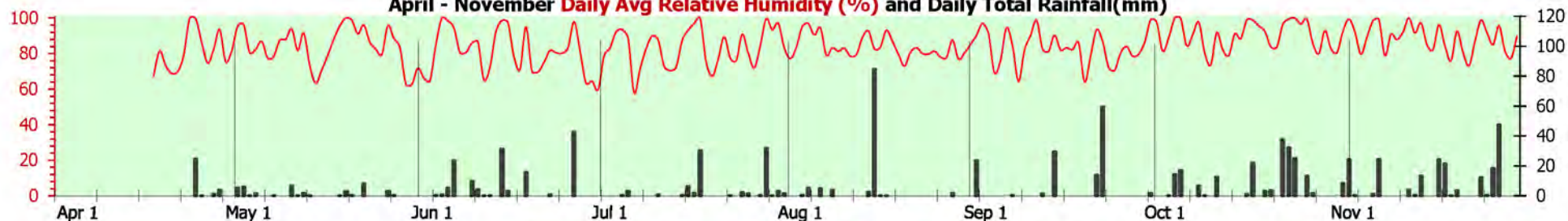


2014 Weather Data for Station BR2

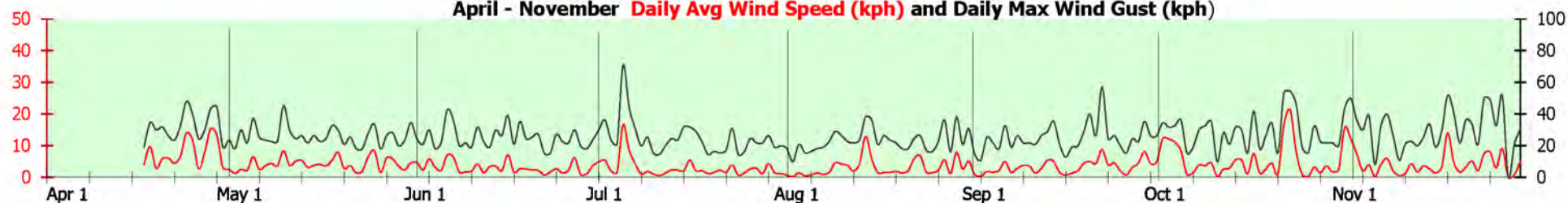
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 03, 2011

RH, Rain and Wind Sensors

April 17, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 15, 2014 04:00

Frost Free Duration:

172.9 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	4 [0]	0 [0]	-18.16	11.32	-3.51	-3.60	41.0	1.32	1.08			
February	2 [0]	0 [0]	-19.79	10.35	-3.29	-3.78	67.8	2.42	2.17			
March	1 [0]	0 [0]	-18.92	10.39	-2.14	-2.70	103.2	3.33	3.17			
April	48 [0]	9 [0]	-2.25	22.44	5.08	5.02	111.9	3.73	3.92	29.8	7.7	48.0
May	143 [26]	27 [3]	-0.65	22.32	8.93	9.62	141.8	4.57	4.97	38.0	4.2	45.3
June	326 [326]	176 [176]	3.64	30.82	15.51	15.56	163.1	5.44	5.80	138.0	3.0	42.6
July	486 [486]	331 [331]	11.27	30.32	19.98	19.29	165.8	5.35	5.45	84.8	3.0	70.7
August	434 [434]	279 [279]	5.31	29.22	18.47	17.43	147.4	4.76	5.04	103.8	3.1	38.1
September	315 [315]	169 [169]	0.36	29.32	15.37	14.48	123.3	4.11	4.26	129.8	3.3	57.1
October	219 [219]	79 [79]	0.36	24.75	12.21	11.68	68.2	2.20	2.17	191.4	5.1	54.4
November	52 [30]	6 [1]	-8.40	18.03	4.78	4.34	41.3	1.38	1.21	204.6	4.5	51.7
December	23 [0]	3 [0]	-14.63	16.46	1.84	1.49	34.0	1.10	1.03	274.4	5.7	58.0
Totals, Averages or Extremes	2053 [1836]	1079 [1038]	-19.79	30.82	7.77	7.40	1208.7	39.70	40.26	1194.6	4.4	70.7

Southwest NS Weather Study

Station Description

Station ID: BR3 (O)

Location: Bridgewater

County: Lunenburg

Contact: Kevin Johnson

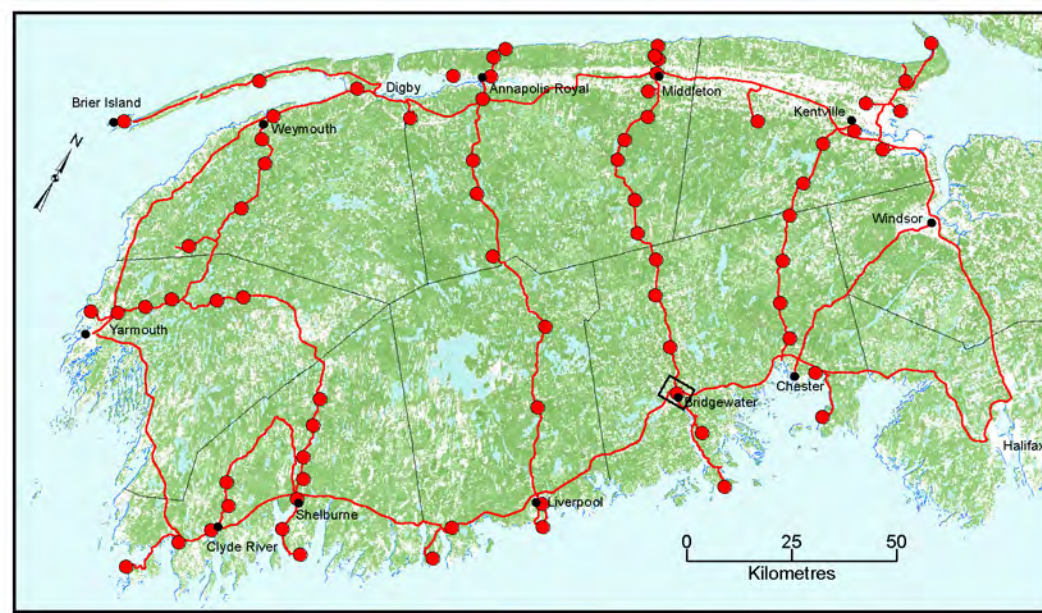
Deployed: 5/5/2011

Easting: 378345.598

Northing: 4916323.686

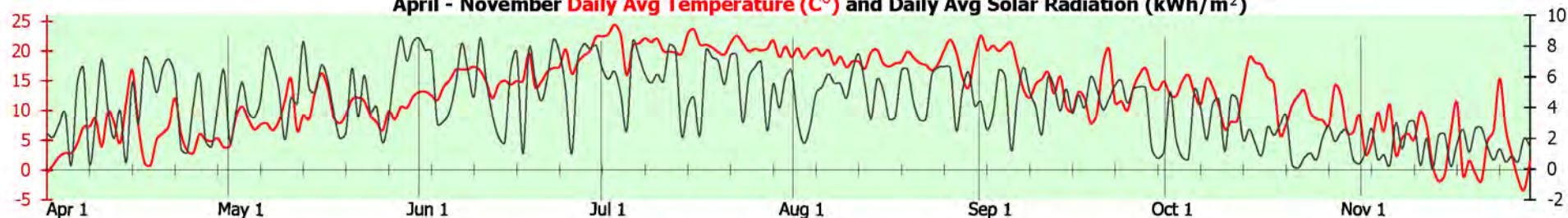
Height (m): 39.52

[UTM Zone 20, NAD 83]

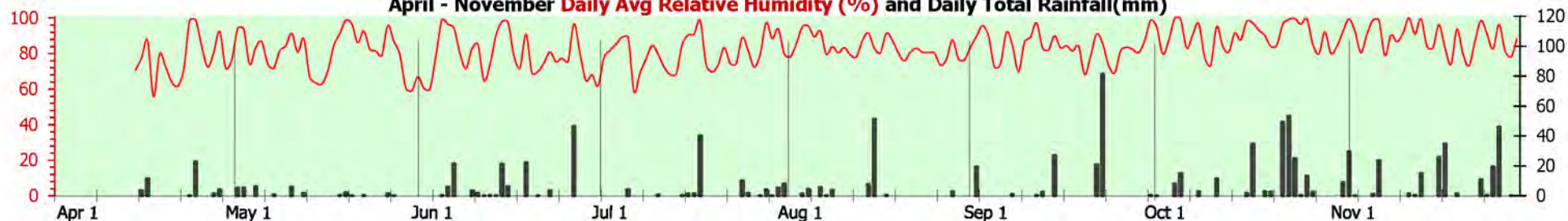


2014 Weather Data for Station BR3

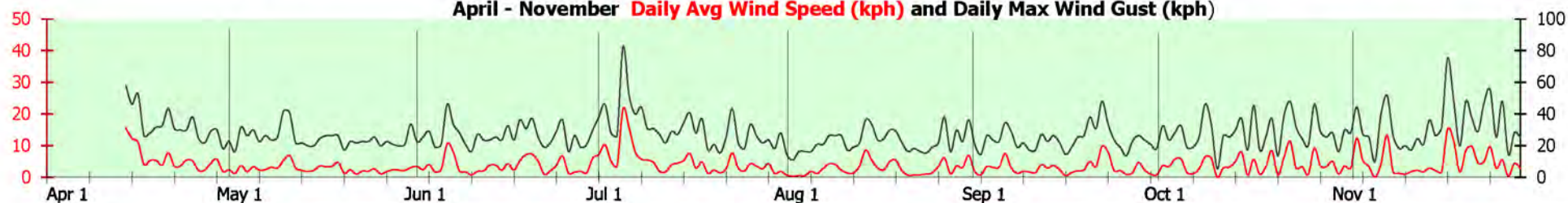
April - November Daily Avg Temperature (C°) and Daily Avg Solar Radiation (kWh/m²)



April - November Daily Avg Relative Humidity (%) and Daily Total Rainfall(mm)



April - November Daily Avg Wind Speed (kph) and Daily Max Wind Gust (kph)



Station Deployment:

May 05, 2011

RH, Rain and Wind Sensors

April 14, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 09, 2014 01:20

Frost Free Duration:

163.8 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	8 [0]	0 [0]	-21.87	12.68	-3.66	-3.60	45.6	1.47	1.08			
February	2 [0]	0 [0]	-21.22	11.18	-3.49	-3.78	74.8	2.67	2.17			
March	2 [0]	0 [0]	-20.88	12.12	-2.21	-2.70	109.2	3.52	3.17			
April	59 [0]	15 [0]	-3.39	22.18	5.60	5.02	119.5	3.98	3.92	44.0	5.9	58.0
May	164 [18]	39 [3]	-1.04	23.67	9.74	9.62	153.0	4.94	4.97	31.0	2.7	41.7
June	339 [339]	189 [189]	2.77	29.74	16.03	15.56	173.9	5.80	5.80	134.4	3.6	46.2
July	502 [502]	347 [347]	10.17	30.37	21.02	19.29	178.6	5.76	5.45	79.0	5.1	82.5
August	432 [432]	277 [277]	3.91	28.97	18.59	17.43	155.4	5.01	5.04	78.6	2.8	38.1
September	299 [299]	154 [154]	-1.76	29.39	15.07	14.48	133.2	4.44	4.26	153.4	3.0	48.0
October	217 [217]	80 [80]	-0.76	24.56	12.06	11.68	74.0	2.39	2.17	223.4	4.0	48.0
November	50 [20]	5 [1]	-8.66	17.70	4.46	4.34	44.7	1.49	1.21	220.0	4.8	75.2
December	25 [0]	4 [0]	-14.79	16.75	1.85	1.49	37.8	1.22	1.03	307.4	4.9	62.6
Totals, Averages or Extremes	2099 [1827]	1110 [1051]	-21.87	30.37	7.92	7.40	1299.8	42.69	40.26	1271.2	4.1	82.5

Southwest NS Weather Study

Station Description

Station ID: BR4 (O)

Location: Northfield

County: Lunenburg

Contact: Wayne Broom

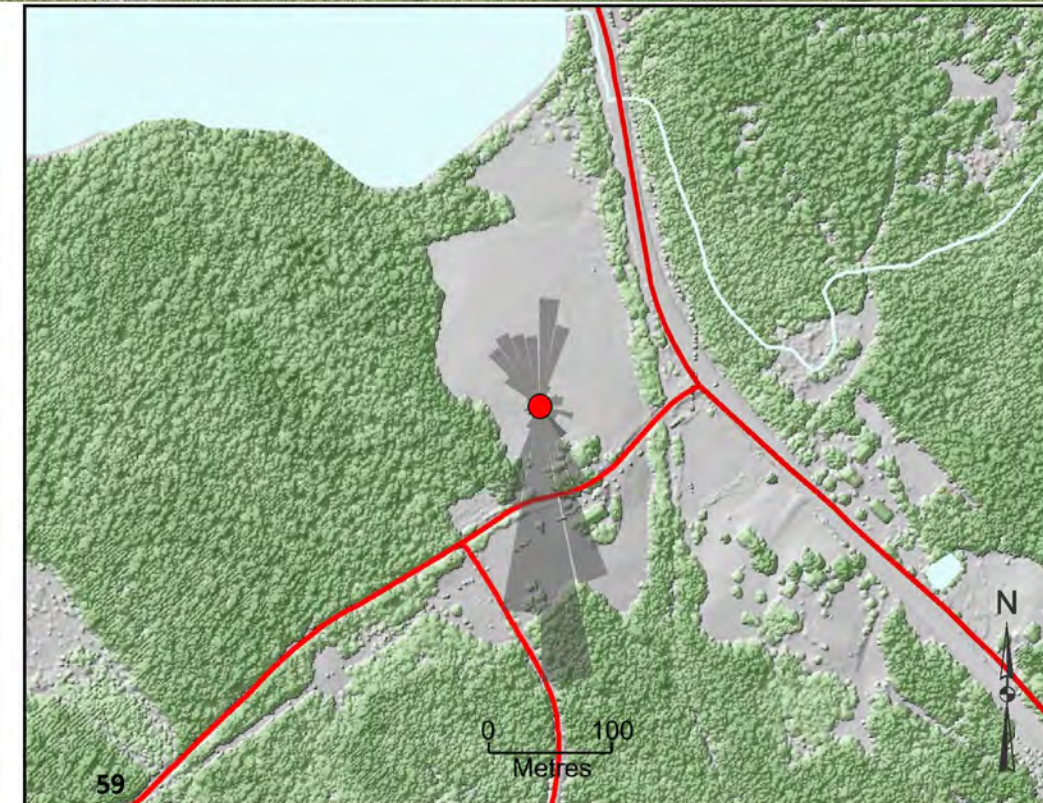
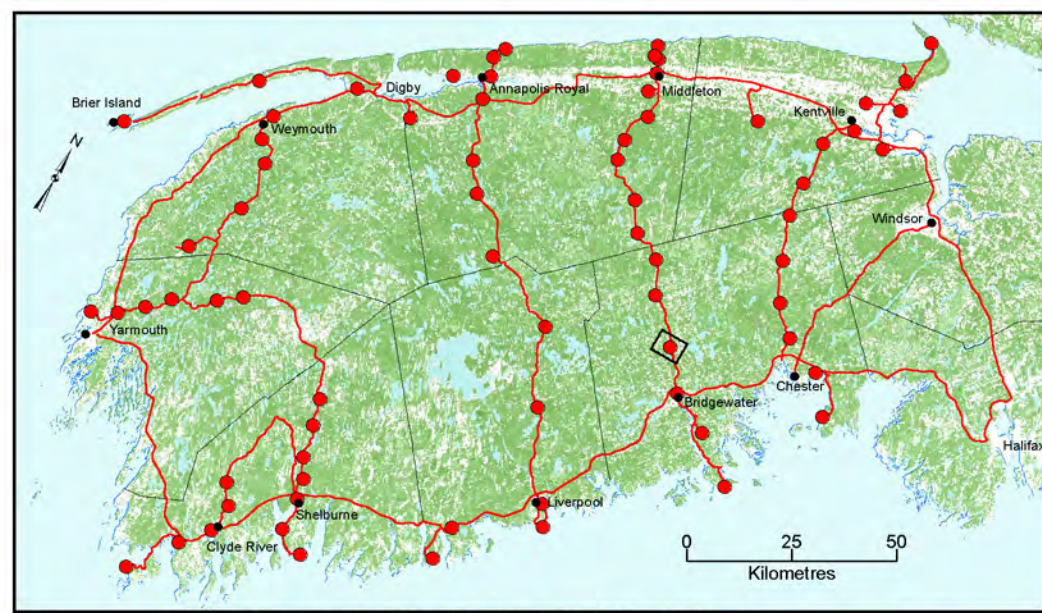
Deployed: 5/3/2011

Easting: 371345.132

Northing: 4924918.529

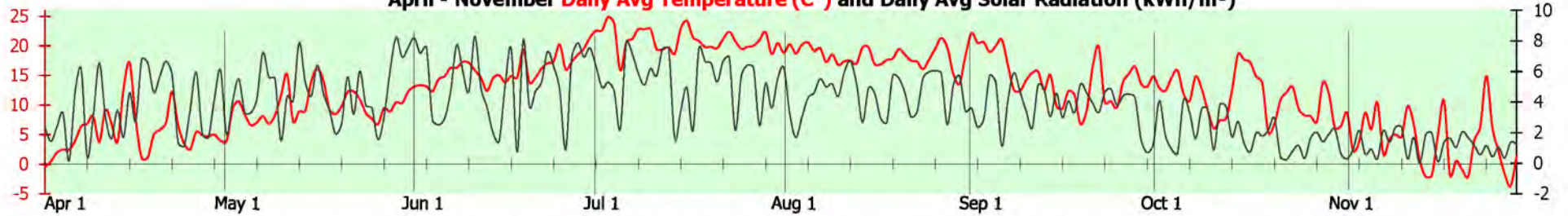
Height (m): 45.74

[UTM Zone 20, NAD 83]

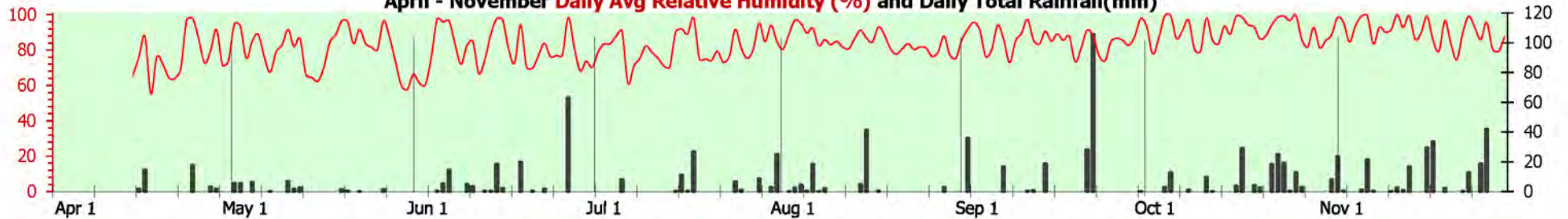


2014 Weather Data for Station BR4

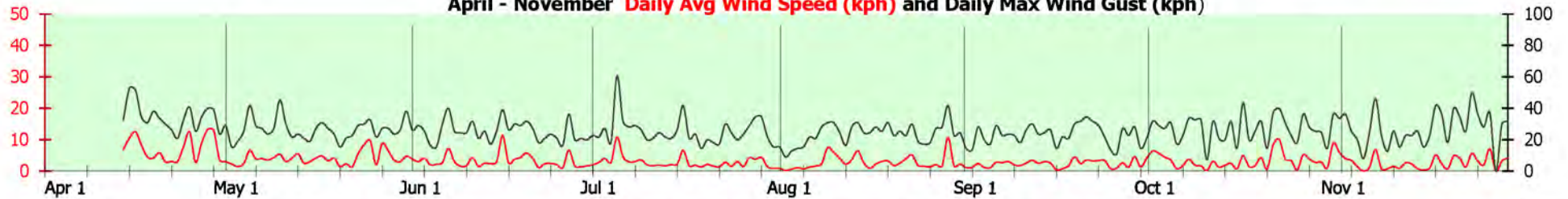
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall (mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 03, 2011

RH, Rain and Wind Sensors

April 14, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 08, 2014 20:55

Frost Free Duration:

163.6 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	7 [0]	0 [0]	-22.78	13.09	-4.12	-3.60	33.9	1.10	1.08			
February	2 [0]	0 [0]	-24.49	11.61	-4.31	-3.78	62.6	2.24	2.17			
March	13 [0]	2 [0]	-23.89	29.69	-2.22	-2.70	92.3	2.98	3.17			
April	54 [0]	15 [0]	-3.54	22.63	5.42	5.02	112.2	3.74	3.92	39.2	7.3	52.6
May	164 [19]	40 [4]	-0.76	24.34	9.78	9.62	144.4	4.66	4.97	33.0	4.2	45.3
June	346 [346]	196 [196]	2.21	31.00	15.86	15.56	160.0	5.33	5.80	136.6	3.2	39.9
July	513 [513]	358 [358]	9.90	31.26	21.04	19.29	167.0	5.39	5.45	91.2	2.9	60.7
August	423 [423]	268 [268]	4.38	29.37	18.23	17.43	143.3	4.62	5.04	78.6	2.8	41.7
September	296 [296]	151 [151]	-1.07	29.89	14.55	14.48	116.5	3.88	4.26	206.8	2.3	34.4
October	207 [207]	76 [76]	-0.79	24.44	11.57	11.68	63.0	2.03	2.17	145.8	3.2	43.5
November	41 [16]	4 [0]	-9.13	18.20	3.89	4.34	36.9	1.23	1.21	214.6	2.9	49.9
December	21 [0]	2 [0]	-15.51	16.84	1.53	1.49	29.6	0.95	1.03	276.2	4.4	49.0
Totals, Averages or Extremes	2087 [1820]	1112 [1053]	-24.49	31.26	7.60	7.40	1161.7	38.15	40.26	1222.1	3.7	60.7

Southwest NS Weather Study

Station Description

Station ID: BR5 (O)

Location: New Germany

County: Lunenburg

Contact: Bill Woodworth

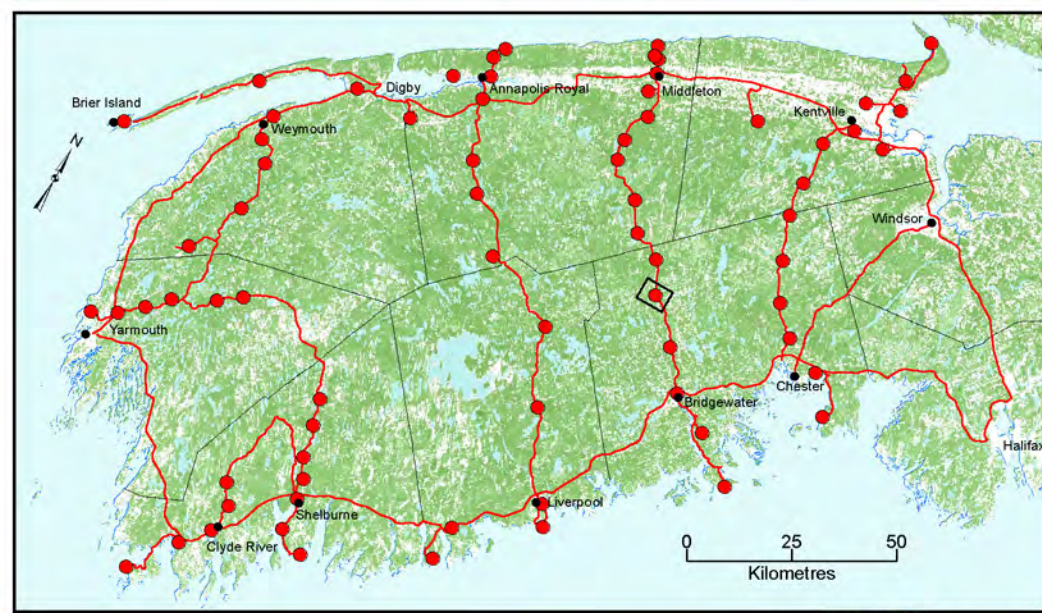
Deployed: 6/8/2011

Easting: 362228.515

Northing: 4933626.788

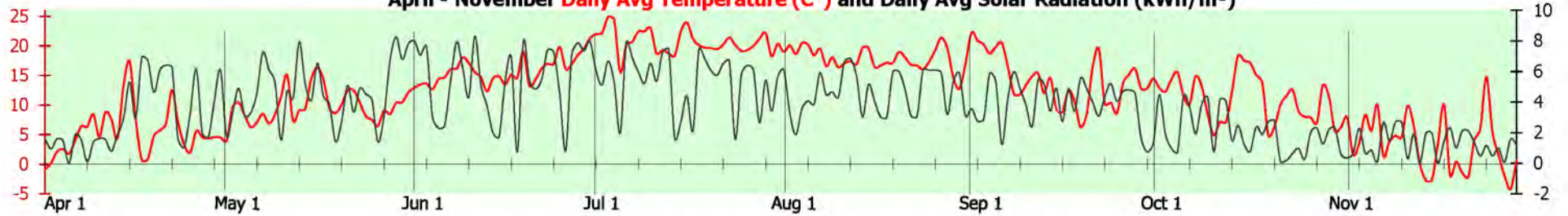
Height (m): 80.27

[UTM Zone 20, NAD 83]

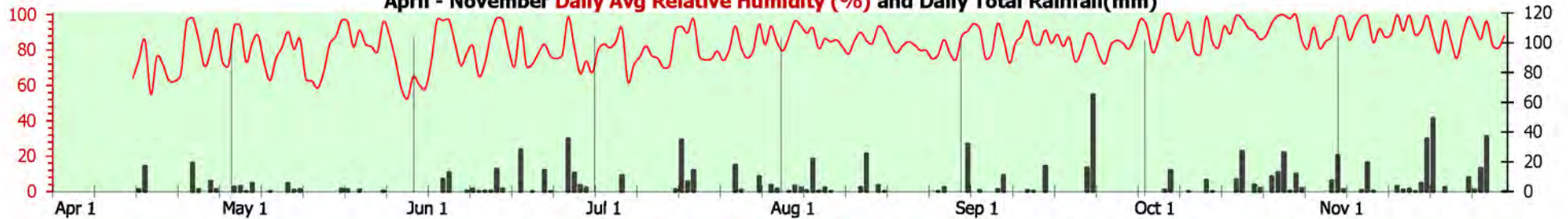


2014 Weather Data for Station BR5

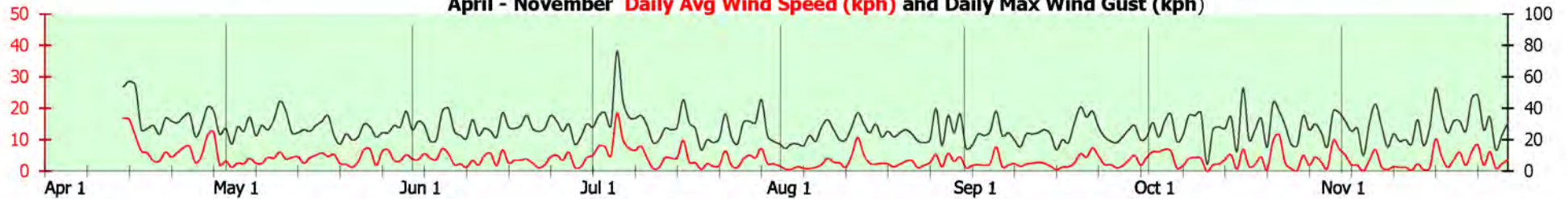
April - November Daily Avg Temperature (C°) and Daily Avg Solar Radiation (kWh/m²)



April - November Daily Avg Relative Humidity (%) and Daily Total Rainfall(mm)



April - November Daily Avg Wind Speed (kph) and Daily Max Wind Gust (kph)



Station Deployment:

June 08, 2011

RH, Rain and Wind Sensors

April 14, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

September 20, 2014 05:40

Frost Free Duration:

113 days

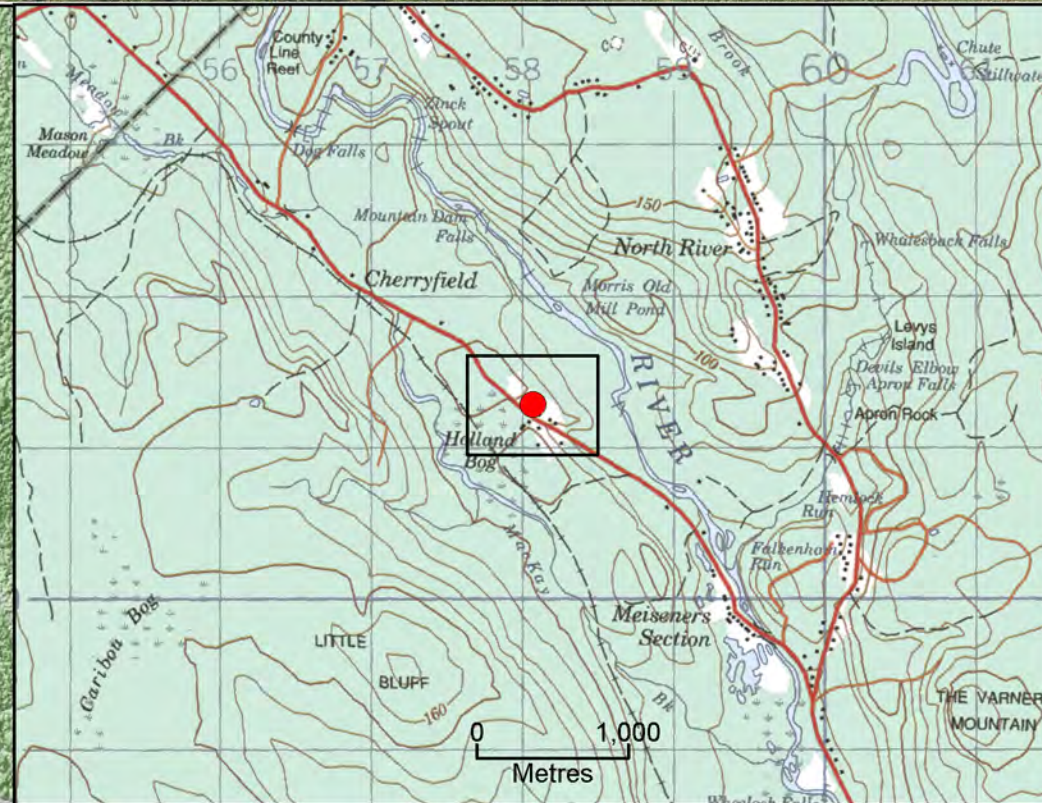
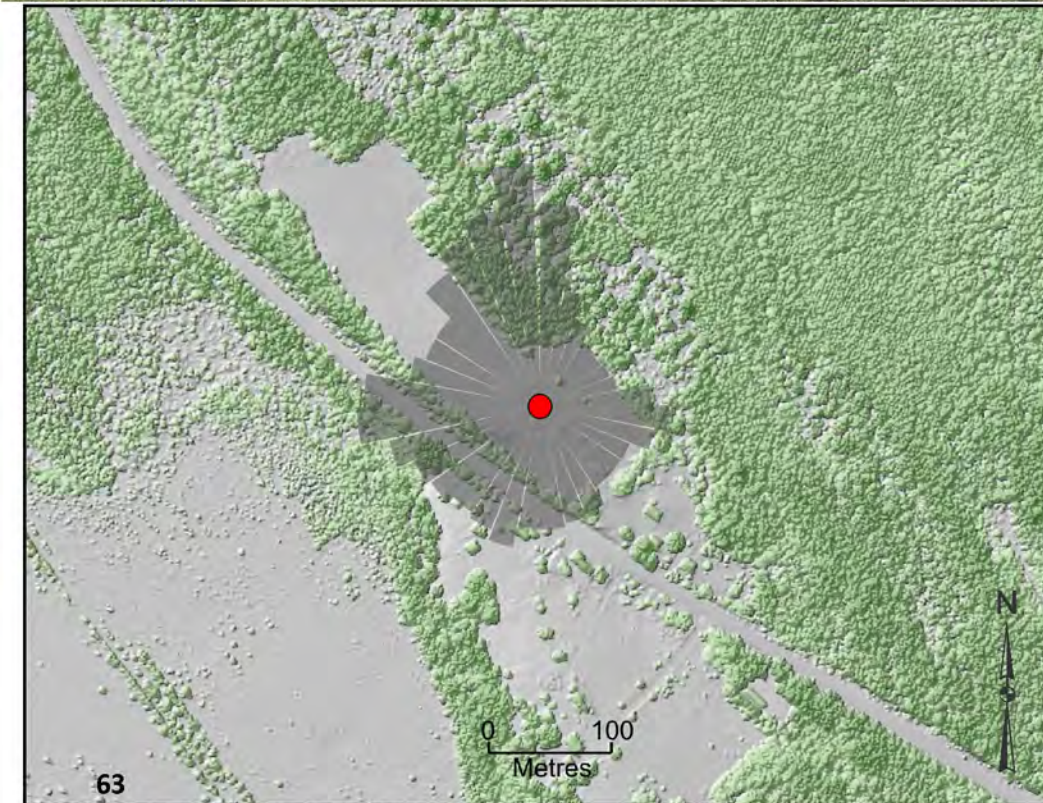
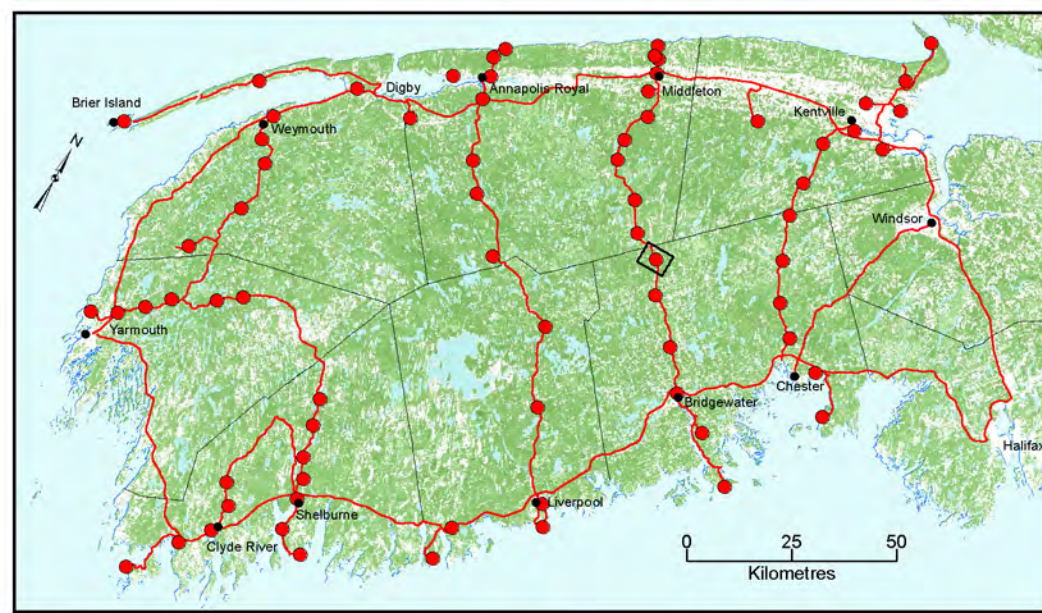
2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	3 [0]	0 [0]	-23.25	12.29	-3.61	-3.60	23.3	0.75	1.08			
February	0 [0]	0 [0]	-20.98	8.79	-3.98	-3.78	39.1	1.40	2.17			
March	3 [0]	0 [0]	-27.77	14.53	-3.49	-2.70	44.8	1.45	3.17			
April	61 [0]	15 [0]	-6.01	22.42	5.41	5.02	93.0	3.10	3.92	47.8	7.5	57.1
May	158 [12]	37 [2]	-1.53	24.92	9.78	9.62	143.1	4.62	4.97	26.0	4.0	44.4
June	331 [331]	181 [181]	1.29	31.48	15.78	15.56	163.4	5.45	5.80	139.4	3.6	39.9
July	492 [492]	337 [337]	8.27	30.27	20.70	19.29	166.1	5.36	5.45	103.0	4.9	76.1
August	411 [411]	256 [256]	2.26	29.24	17.87	17.43	145.8	4.70	5.04	68.2	2.8	39.9
September	273 [186]	132 [94]	-2.16	29.49	14.15	14.48	121.9	4.06	4.26	144.8	2.7	40.8
October	192 [0]	67 [0]	-1.99	23.95	11.24	11.68	66.4	2.14	2.17	129.8	3.7	52.6
November	35 [0]	3 [0]	-10.13	17.65	3.48	4.34	39.3	1.31	1.21	217.8	3.4	52.6
December	20 [0]	2 [0]	-16.74	16.63	1.07	1.49	32.4	1.04	1.03	248.6	4.4	51.7
Totals, Averages or Extremes	1979 [1432]	1030 [870]	-27.77	31.48	7.37	7.40	1078.6	35.38	40.26	1125.4	4.1	76.1

Southwest NS Weather Study

Station Description

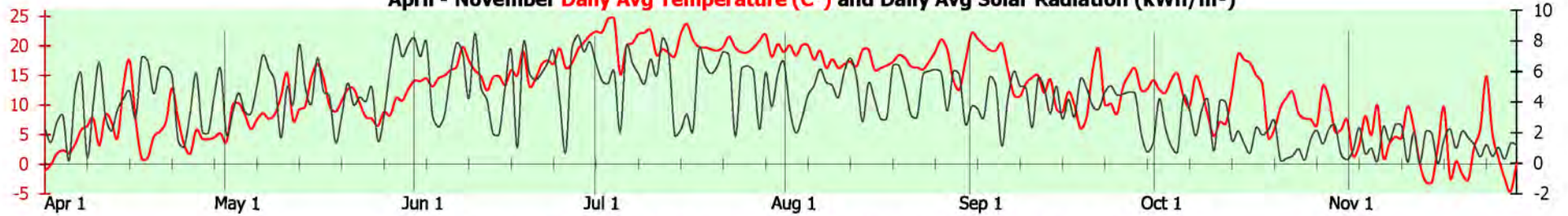
Station ID: BR6 (O)
Location: Cherryfield
County: Lunenburg
Contact: Kevin Munro
Deployed: 5/5/2011

Easting: 358065.05
Northing: 4941284.391
Height (m): 110.64
[UTM Zone 20, NAD 83]

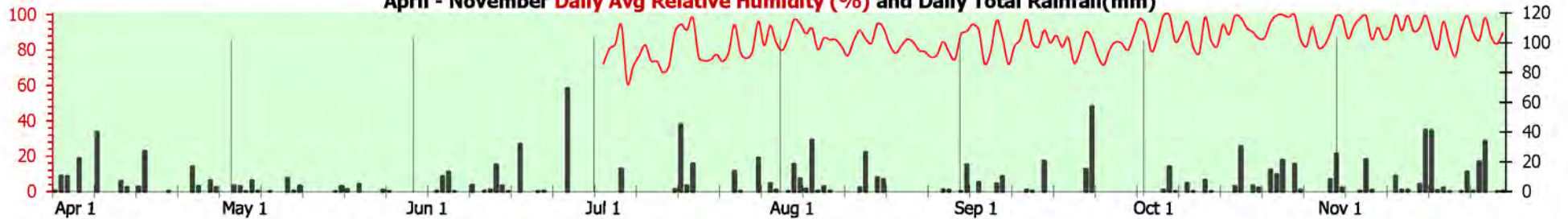


2014 Weather Data for Station BR6

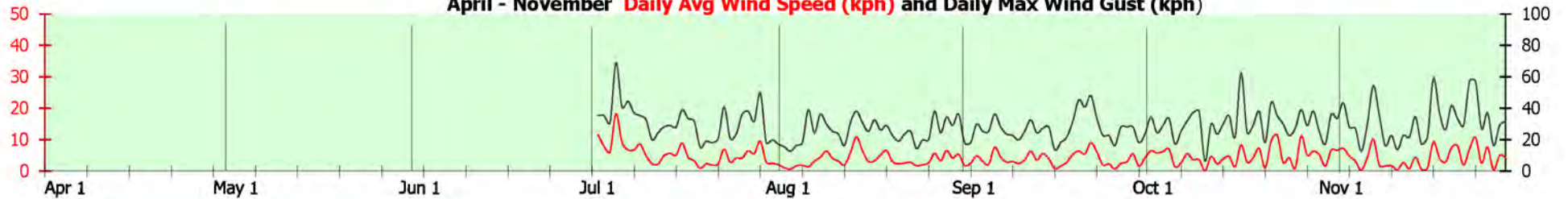
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:
May 05, 2011

RH, Rain and Wind Sensors
January 1, 2014

Frost Free Start:
May 29, 2014 06:10

Frost Free End:
September 20, 2014 05:40

Frost Free Duration:
114 days

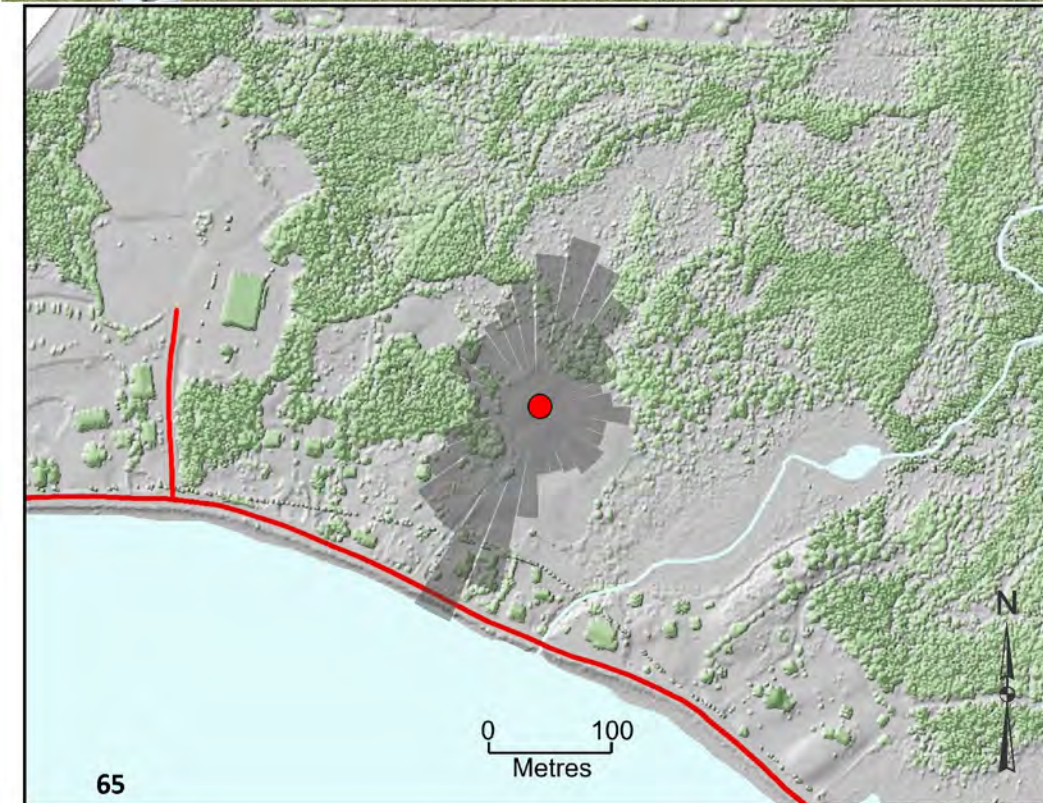
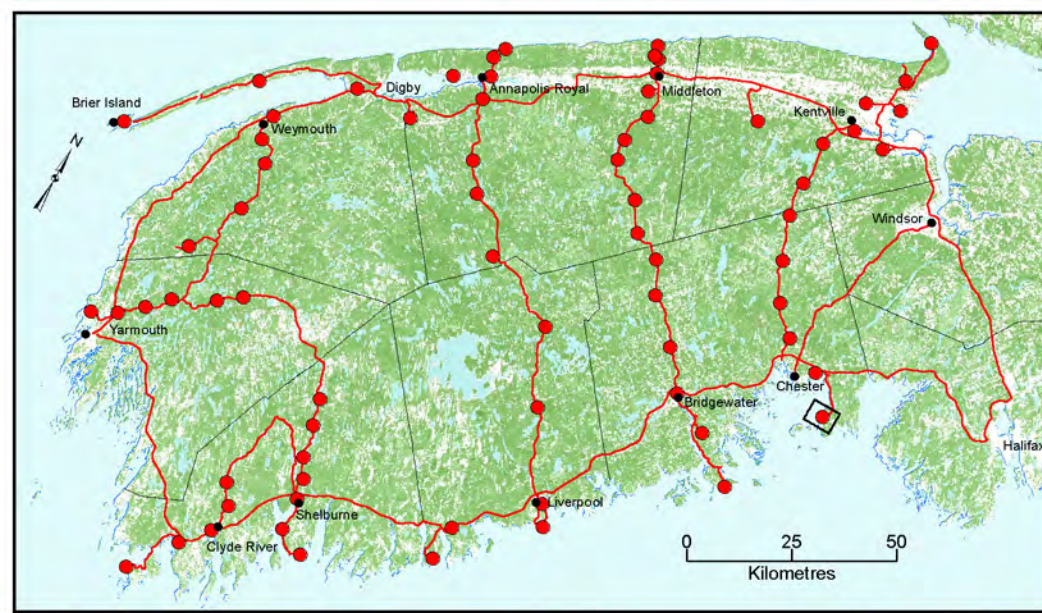
2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	5 [0]	0 [0]	-23.73	13.04	-4.72	-3.60	35.1	1.13	1.08	5.4		
February	0 [0]	0 [0]	-24.77	10.88	-4.78	-3.78	63.0	2.25	2.17	102.0		
March	1 [0]	0 [0]	-25.38	12.80	-3.50	-2.70	97.9	3.16	3.17	132.0		
April	53 [0]	14 [0]	-4.68	22.51	5.30	5.02	116.1	3.87	3.92	155.0		
May	163 [18]	40 [3]	-1.41	25.33	9.98	9.62	144.8	4.67	4.97	40.0		
June	338 [338]	188 [188]	1.86	31.64	16.16	15.56	167.8	5.59	5.80	154.0		
July	487 [487]	332 [332]	8.44	30.22	20.53	19.29	167.1	5.39	5.45	127.6	5.6	68.9
August	403 [403]	248 [248]	1.83	29.14	17.64	17.43	148.4	4.79	5.04	117.4	3.7	39.0
September	265 [182]	125 [91]	-2.92	29.07	13.98	14.48	122.8	4.09	4.26	134.4	3.8	48.1
October	183 [0]	62 [0]	-1.93	23.57	11.04	11.68	64.0	2.06	2.17	139.0	4.7	62.6
November	32 [0]	4 [0]	-10.30	18.08	3.16	4.34	38.0	1.27	1.21	230.6	4.3	58.9
December	18 [0]	1 [0]	-17.00	16.99	0.82	1.49	30.9	1.00	1.03	254.6	5.0	61.6
Totals, Averages or Extremes	1948 [1428]	1014 [862]	-25.38	31.64	7.13	7.40	1195.9	39.27	40.26	1592.0	4.5	68.9

Southwest NS Weather Study

Station Description

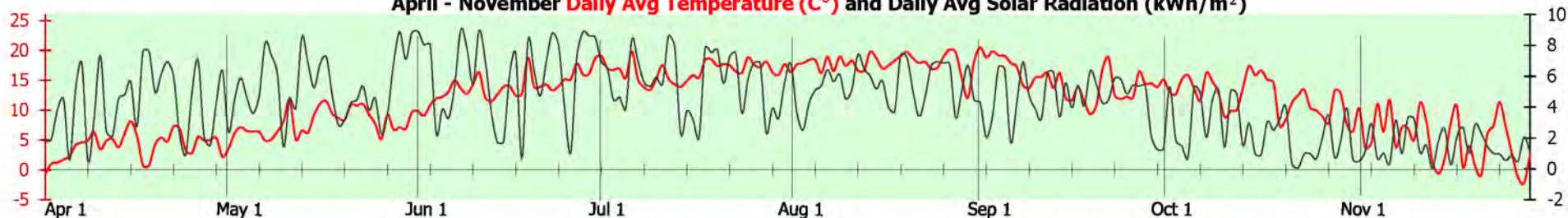
Station ID: CH1 (O)
Location: Blanford
County: Lunenburg
Contact: Jeff Hogue
Deployed: 5/17/2011

Easting: 411154.09
Northing: 4928668.93
Height (m): 6.74
[UTM Zone 20, NAD 83]

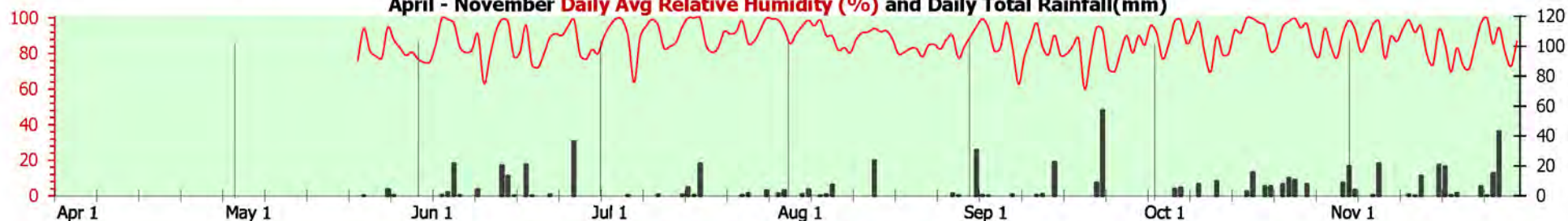


2014 Weather Data for Station CH1

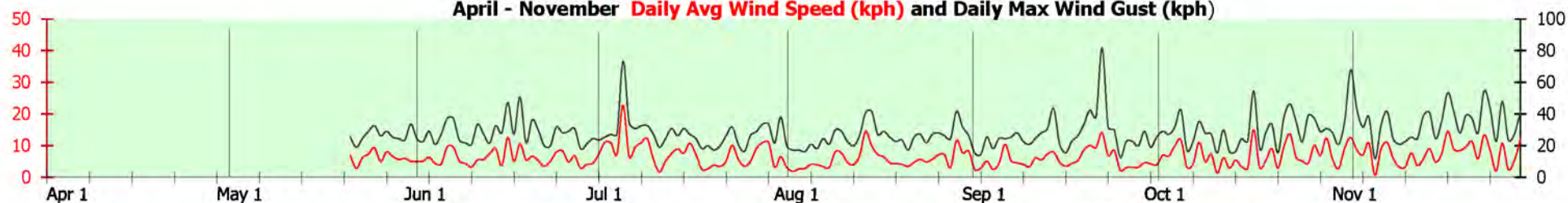
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 17, 2011

RH, Rain and Wind Sensors

May 21, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 11, 2014 04:00

Frost Free Duration:

161.9 days

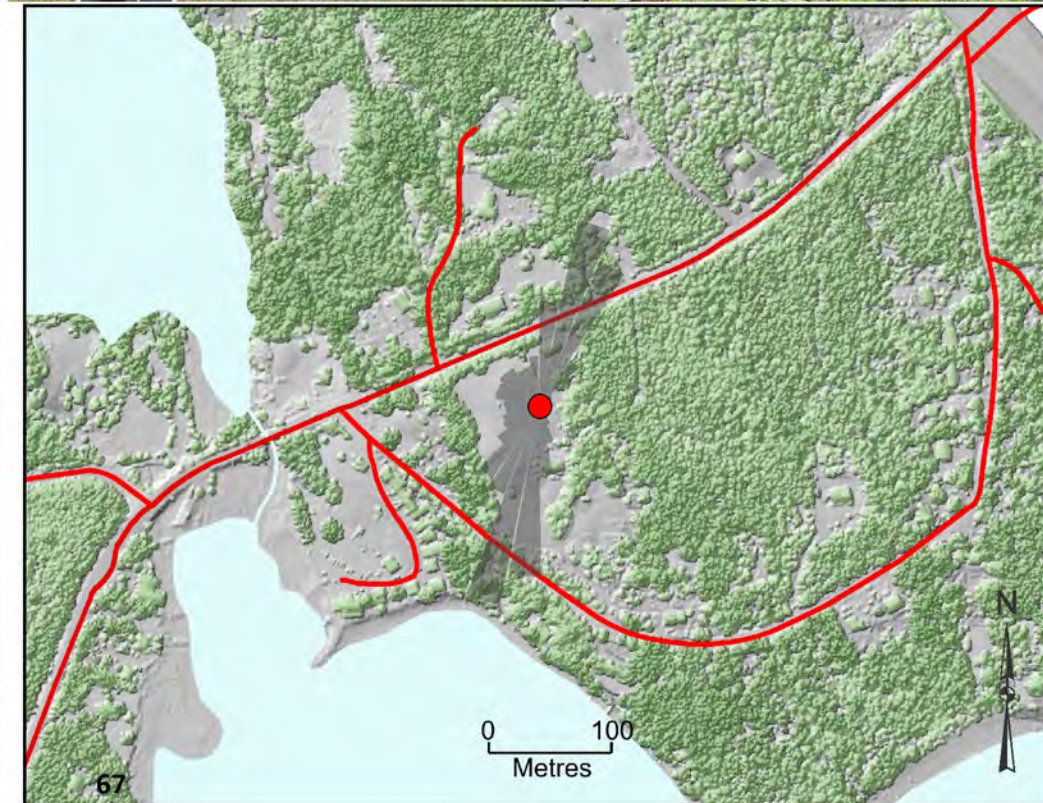
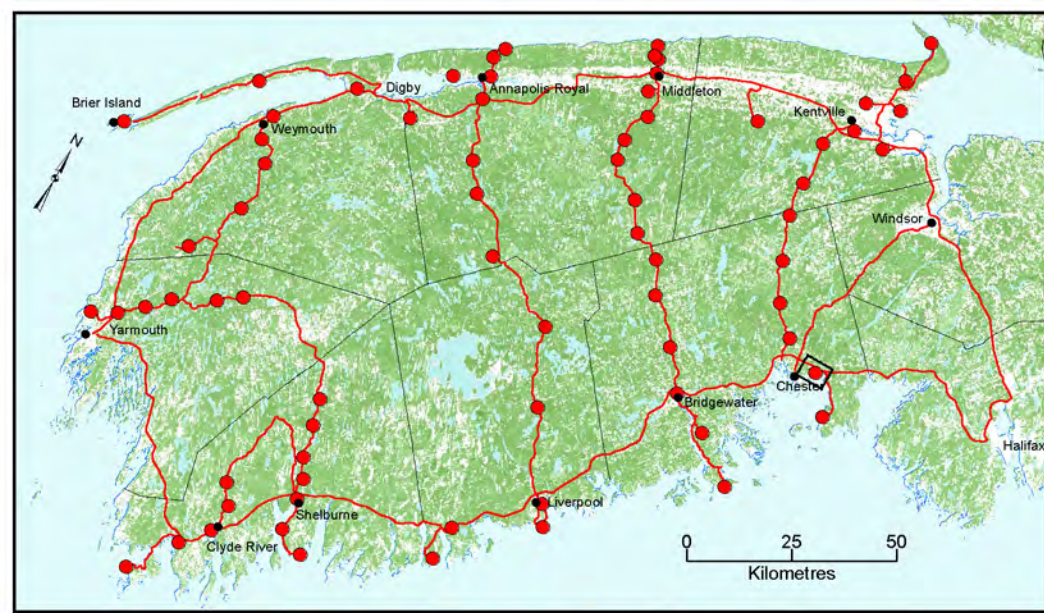
2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	2 [0]	0 [0]	-18.79	10.05	-2.87	-3.60	47.0	1.52	1.08			
February	0 [0]	0 [0]	-21.82	9.36	-2.74	-3.78	79.3	2.83	2.17			
March	1 [0]	0 [0]	-19.84	9.81	-1.86	-2.70	113.5	3.66	3.17			
April	16 [0]	0 [0]	-3.15	15.63	4.07	5.02	128.5	4.28	3.92			
May	95 [0]	10 [0]	-3.01	20.06	7.84	9.62	164.1	5.29	4.97	5.0	6.3	33.5
June	262 [256]	114 [113]	-0.31	25.23	13.85	15.56	182.3	6.08	5.80	121.0	6.1	50.8
July	365 [365]	210 [210]	6.71	26.65	16.57	19.29	174.8	5.64	5.45	40.4	7.6	73.4
August	386 [386]	231 [231]	0.25	25.89	17.79	17.43	169.6	5.47	5.04	39.4	5.7	41.7
September	281 [281]	135 [135]	-1.02	26.65	15.02	14.48	140.0	4.67	4.26	122.0	5.6	81.6
October	225 [225]	84 [84]	-1.21	22.92	12.48	11.68	79.3	2.56	2.17	96.6	6.6	54.4
November	45 [19]	5 [1]	-8.90	15.99	5.19	4.34	46.1	1.54	1.21	176.0	7.8	68.0
December	19 [0]	0 [0]	-15.51	12.85	1.96	1.49	42.5	1.37	1.03	250.6	7.8	54.4
Totals, Averages or Extremes	1697 [1532]	789 [774]	-21.82	26.65	7.28	7.40	1367.1	44.91	40.26	851.0	6.7	81.6

Southwest NS Weather Study

Station Description

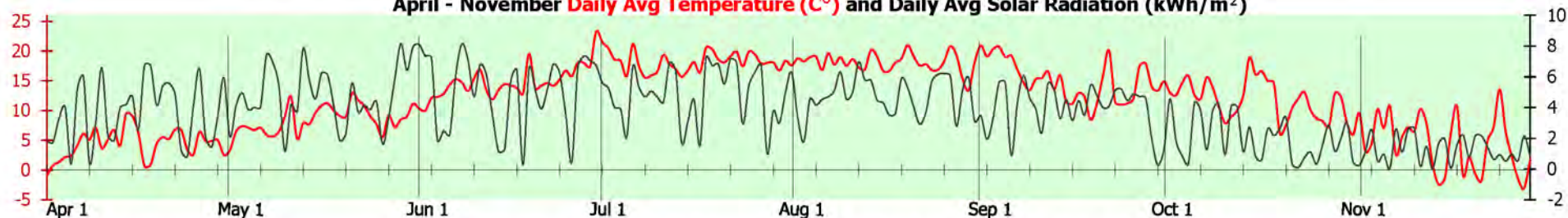
Station ID: CH2 (O)
Location: East Chester
County: Lunenburg
Contact: Christopher Field
Deployed: 5/17/2011

Easting: 404386.709
Northing: 4936986.53
Height (m): 28.44
[UTM Zone 20, NAD 83]

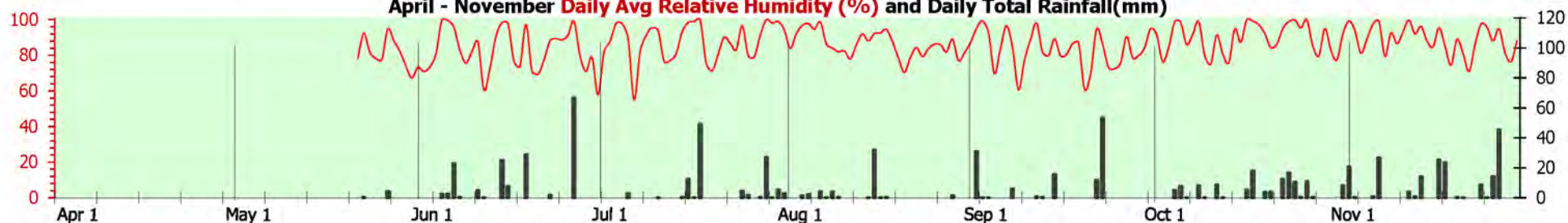


2014 Weather Data for Station CH2

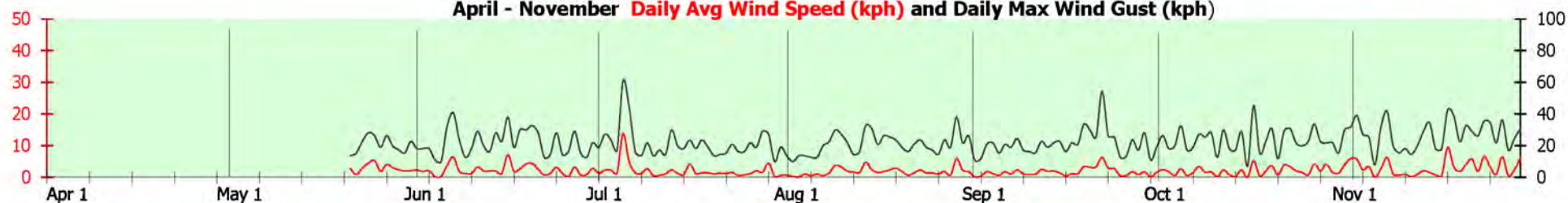
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 17, 2011

RH, Rain and Wind Sensors

May 21, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 09, 2014 01:05

Frost Free Duration:

166.8 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	4 [0]	0 [0]	-19.56	11.10	-3.92	-3.60	36.5	1.18	1.08			
February	2 [0]	0 [0]	-19.47	10.30	-3.46	-3.78	64.1	2.29	2.17			
March	1 [0]	0 [0]	-18.16	10.54	-2.36	-2.70	98.0	3.16	3.17			
April	30 [0]	3 [0]	-3.99	22.63	4.43	5.02	112.4	3.75	3.92			
May	123 [22]	18 [3]	-1.07	22.63	8.41	9.62	147.4	4.76	4.97	4.8	2.9	28.1
June	301 [301]	151 [151]	2.16	31.00	14.75	15.56	153.9	5.13	5.80	164.0	2.3	40.8
July	427 [427]	272 [272]	11.01	30.32	18.22	19.29	152.0	4.90	5.45	108.0	2.0	60.7
August	414 [414]	259 [259]	5.13	29.46	18.06	17.43	149.0	4.81	5.04	47.0	1.8	38.1
September	307 [307]	158 [158]	1.48	28.42	15.10	14.48	122.7	4.09	4.26	120.0	1.7	54.4
October	216 [216]	75 [75]	0.47	25.62	12.03	11.68	66.6	2.15	2.17	112.6	2.0	45.3
November	47 [18]	5 [1]	-8.30	17.11	4.52	4.34	39.1	1.30	1.21	194.2	3.1	42.6
December	20 [0]	1 [0]	-16.45	14.98	1.50	1.49	33.0	1.06	1.03	280.4	2.7	46.2
Totals, Averages or Extremes	1892 [1705]	942 [919]	-19.56	31.00	7.27	7.40	1174.7	38.58	40.26	1031.0	2.3	60.7

Southwest NS Weather Study

Station Description

Station ID: CH3 (O)

Location: Chester Grant

County: Lunenburg

Contact: L. & B. Brophy

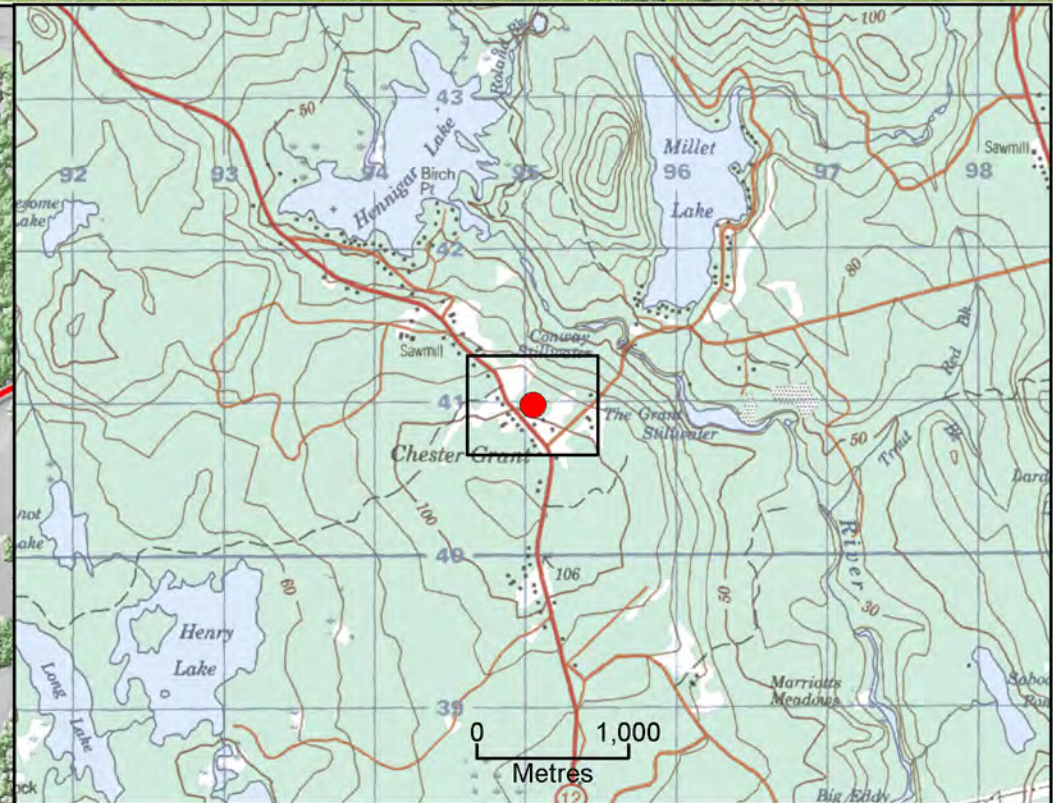
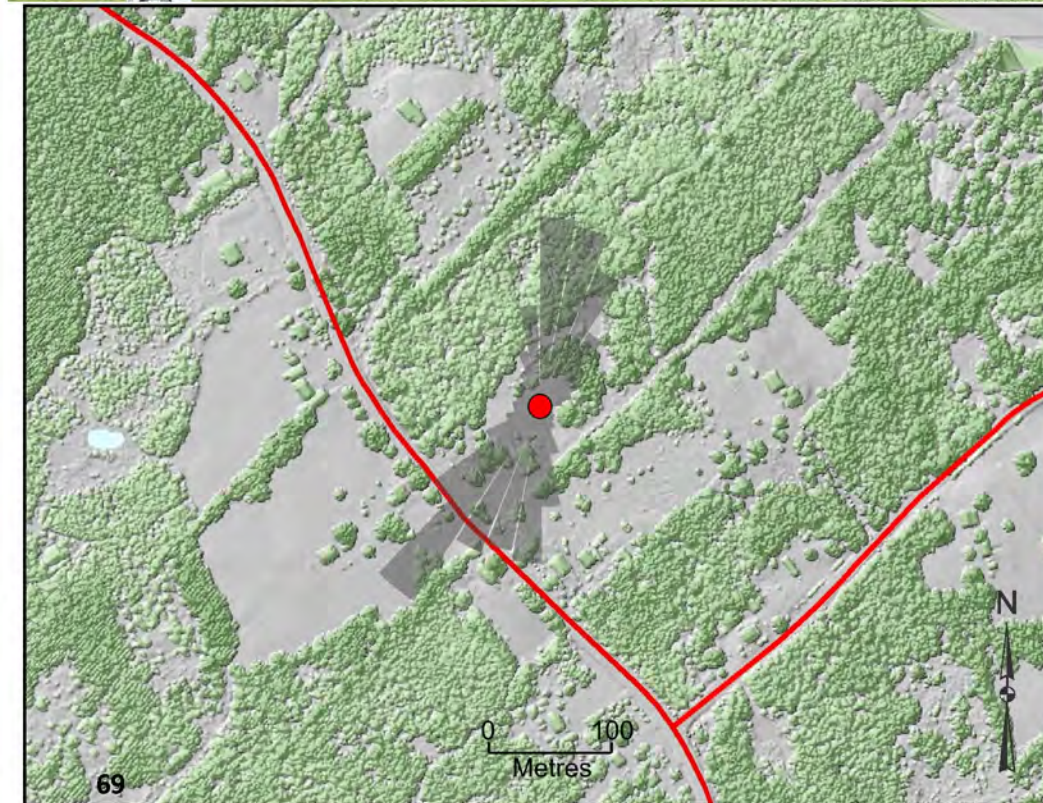
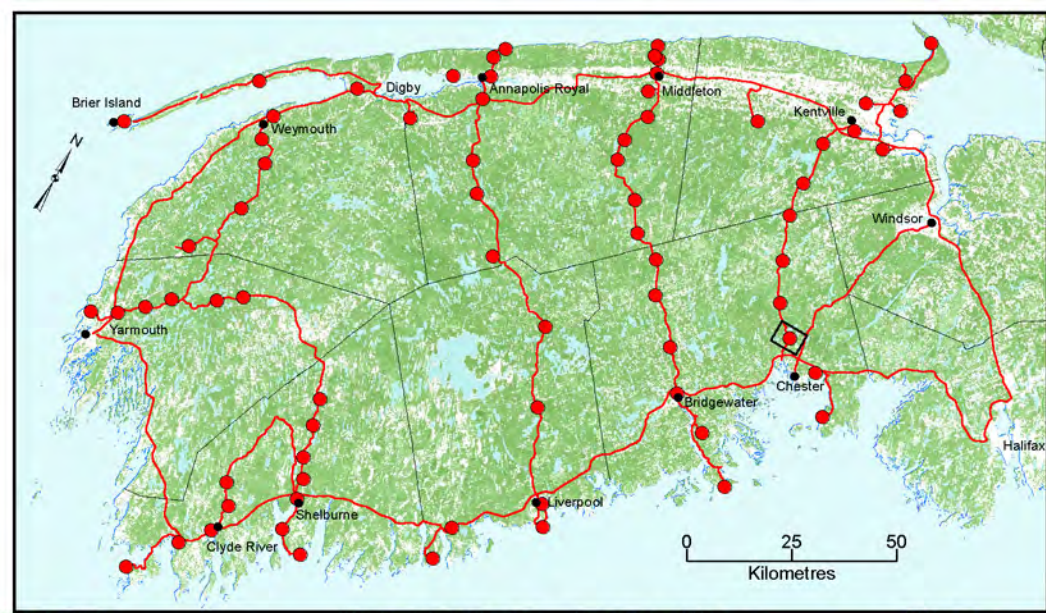
Deployed: 5/17/2011

Easting: 395035.859

Northing: 4940967.608

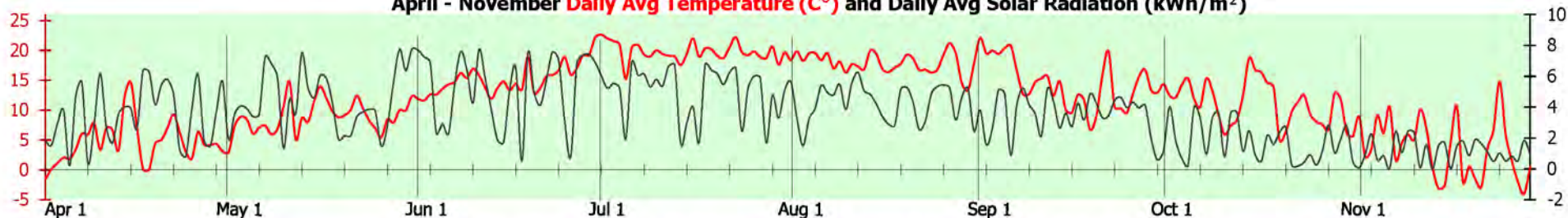
Height (m): 97.66

[UTM Zone 20, NAD 83]

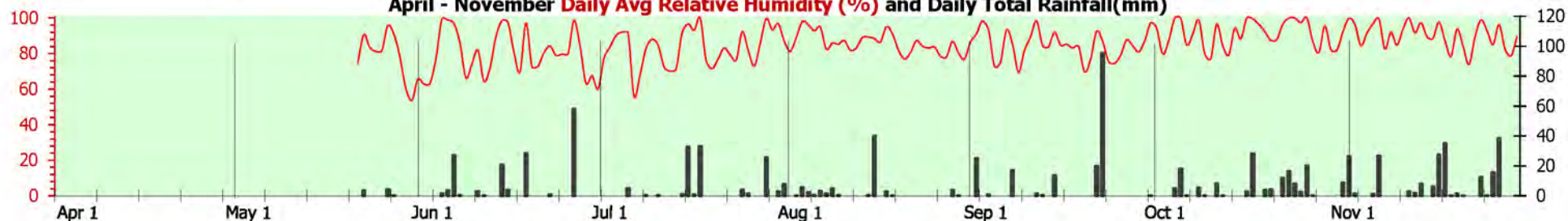


2014 Weather Data for Station CH3

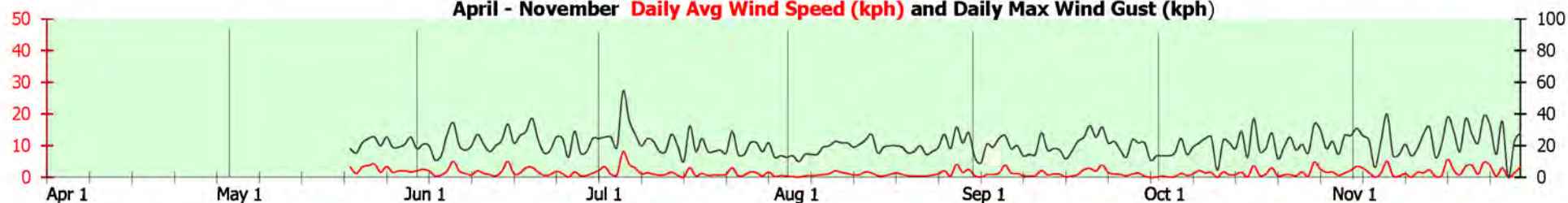
April - November Daily Avg Temperature (C°) and Daily Avg Solar Radiation (kWh/m²)



April - November Daily Avg Relative Humidity (%) and Daily Total Rainfall(mm)



April - November Daily Avg Wind Speed (kph) and Daily Max Wind Gust (kph)



Station Deployment:

May 17, 2011

RH, Rain and Wind Sensors

May 21, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 08, 2014 21:55

Frost Free Duration:

163.6 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	5 [0]	0 [0]	-22.27	12.05	-4.49	-3.60	33.3	1.07	1.08			
February	0 [0]	0 [0]	-21.57	10.66	-4.44	-3.78	57.6	2.06	2.17			
March	1 [0]	0 [0]	-21.17	10.98	-3.13	-2.70	92.1	2.97	3.17			
April	41 [0]	7 [0]	-5.05	22.73	4.70	5.02	107.7	3.59	3.92			
May	144 [18]	29 [4]	-1.61	23.79	8.89	9.62	138.1	4.45	4.97	8.2	2.6	25.4
June	319 [319]	169 [169]	2.48	31.03	15.24	15.56	157.3	5.24	5.80	148.2	1.7	37.2
July	475 [475]	320 [320]	9.53	30.52	19.78	19.29	156.7	5.05	5.45	115.0	1.5	54.4
August	420 [420]	265 [265]	4.04	29.49	17.89	17.43	136.0	4.39	5.04	66.2	1.0	31.7
September	294 [294]	149 [149]	-1.44	29.79	14.47	14.48	110.2	3.67	4.26	174.4	1.2	32.6
October	196 [196]	67 [67]	-0.99	25.16	11.31	11.68	59.5	1.92	2.17	135.4	1.2	37.2
November	41 [14]	4 [0]	-9.89	18.01	3.73	4.34	35.3	1.18	1.21	214.0	2.0	39.9
December	21 [0]	3 [0]	-16.83	17.44	1.03	1.49	27.7	0.89	1.03	293.4	1.7	44.4
Totals, Averages or Extremes	1957 [1736]	1013 [974]	-22.27	31.03	7.08	7.40	1111.3	36.49	40.26	1154.8	1.6	54.4

Southwest NS Weather Study

Station Description

Station ID: CH4 (O)

Location: Seffernville

County: Lunenburg

Contact: R. & D. Seffern

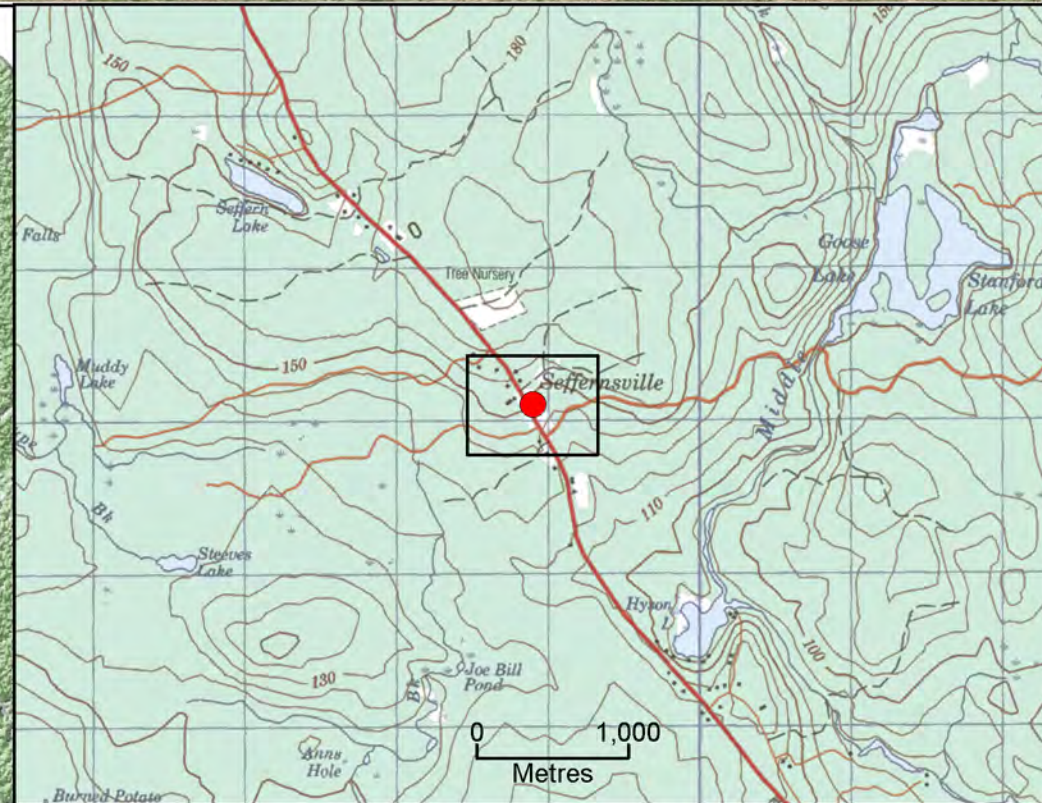
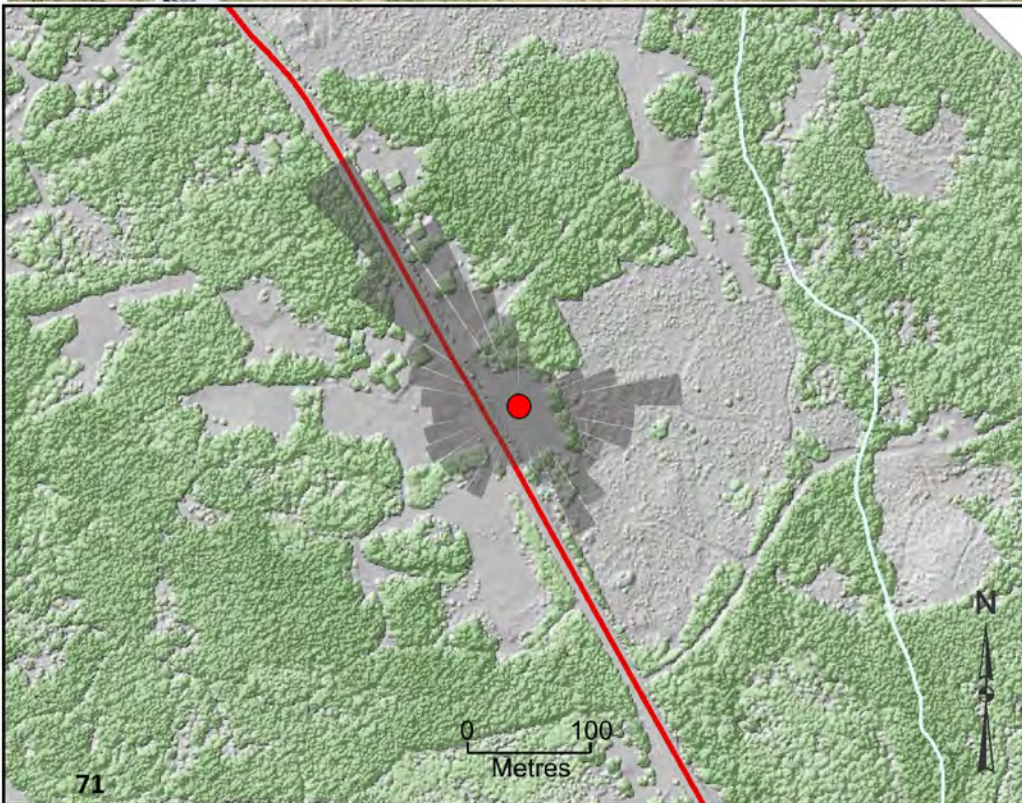
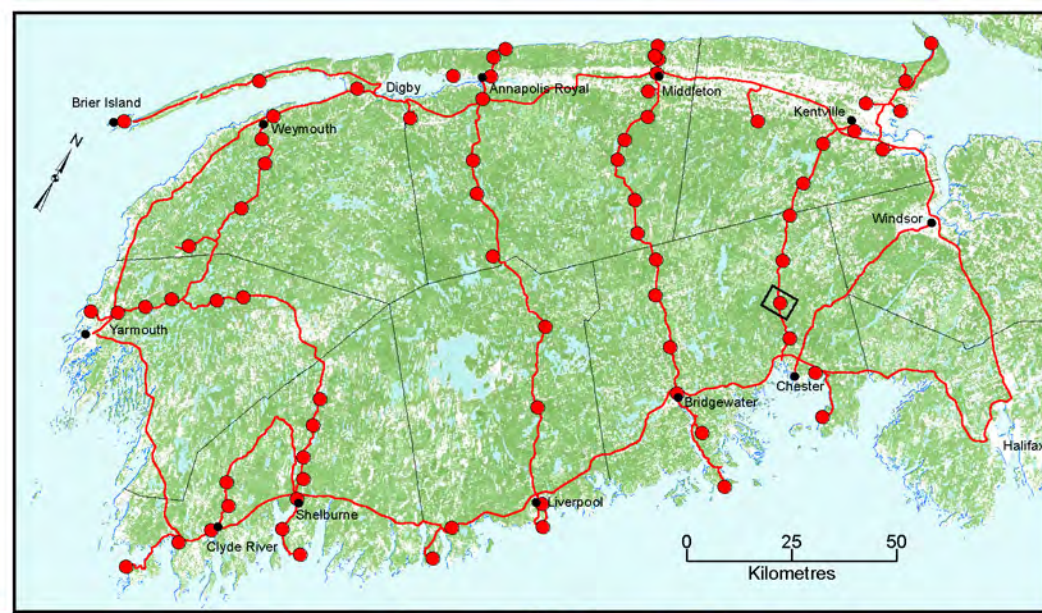
Deployed: 5/14/2011

Easting: 388880.928

Northing: 4947122.4

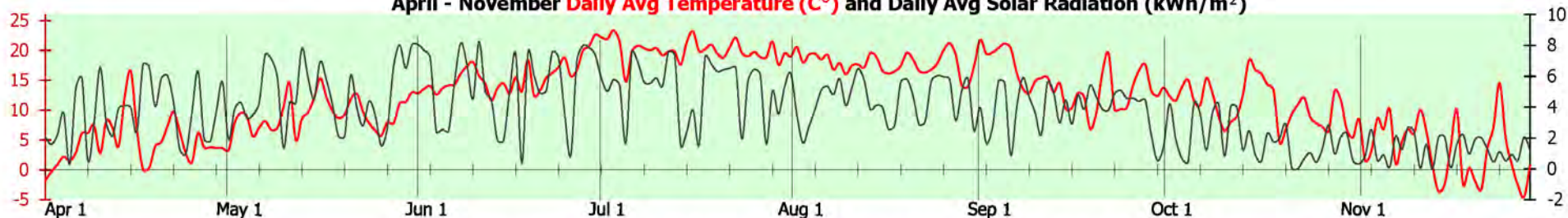
Height (m): 151.56

[UTM Zone 20, NAD 83]

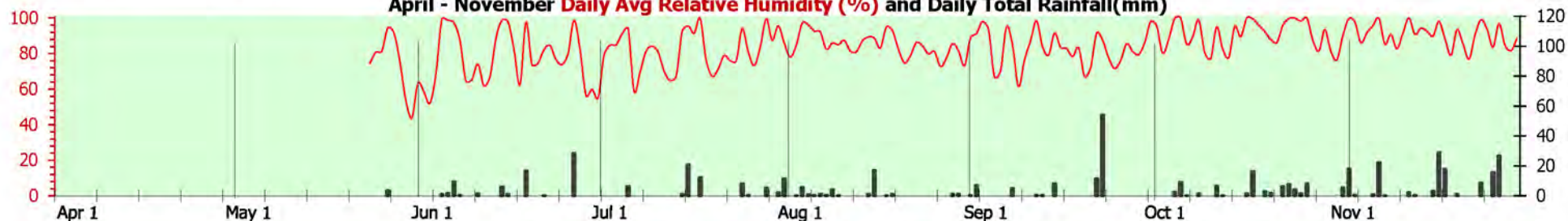


2014 Weather Data for Station CH4

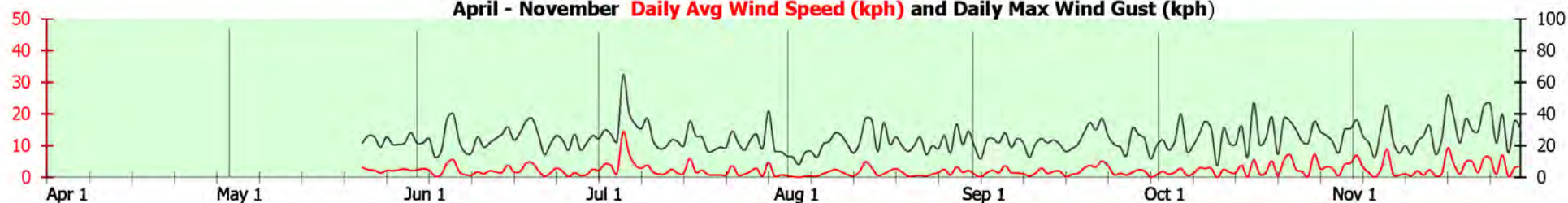
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall (mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 14, 2011

RH, Rain and Wind Sensors

May 23, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 08, 2014 22:20

Frost Free Duration:

163.7 days

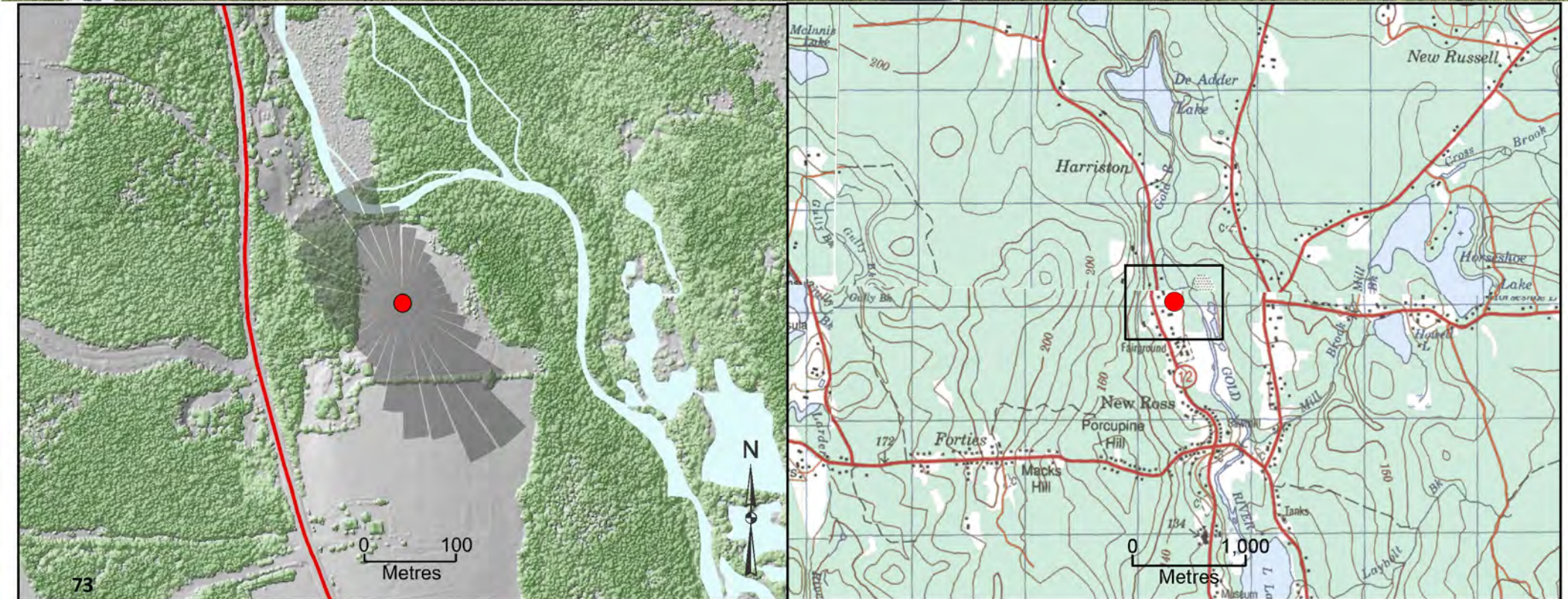
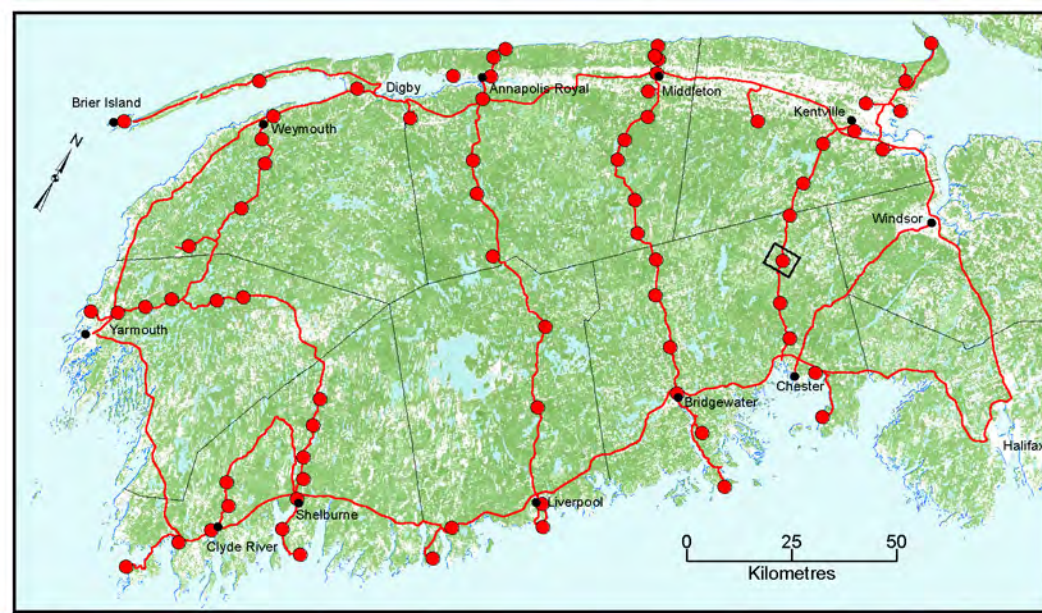
2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	4 [0]	0 [0]	-20.98	11.86	-4.70	-3.60	36.8	1.19	1.08			
February	0 [0]	0 [0]	-19.47	10.57	-4.62	-3.78	61.6	2.20	2.17			
March	1 [0]	0 [0]	-20.17	10.69	-3.43	-2.70	97.2	3.14	3.17			
April	45 [0]	11 [0]	-5.05	22.85	4.67	5.02	110.4	3.68	3.92			
May	146 [20]	31 [5]	-1.16	23.45	9.22	9.62	146.9	4.74	4.97	3.4	2.3	28.1
June	324 [324]	174 [174]	3.35	29.94	15.53	15.56	164.0	5.47	5.80	67.0	2.0	39.9
July	475 [475]	320 [320]	10.25	29.99	20.10	19.29	162.0	5.23	5.45	68.4	2.7	64.4
August	411 [411]	256 [256]	5.13	28.97	17.86	17.43	141.7	4.57	5.04	35.4	1.4	37.2
September	299 [299]	153 [153]	1.40	29.02	14.71	14.48	120.2	4.01	4.26	86.6	1.8	37.2
October	192 [192]	63 [63]	-0.79	23.81	11.20	11.68	62.4	2.01	2.17	70.6	2.4	47.1
November	39 [14]	3 [0]	-9.64	17.30	3.54	4.34	38.5	1.28	1.21	152.0	3.2	51.7
December	18 [0]	1 [0]	-18.03	16.53	0.70	1.49	30.5	0.98	1.03	198.8	3.4	53.5
Totals, Averages or Extremes	1954 [1735]	1012 [971]	-20.98	29.99	7.06	7.40	1172.1	38.49	40.26	682.2	2.4	64.4

Southwest NS Weather Study

Station Description

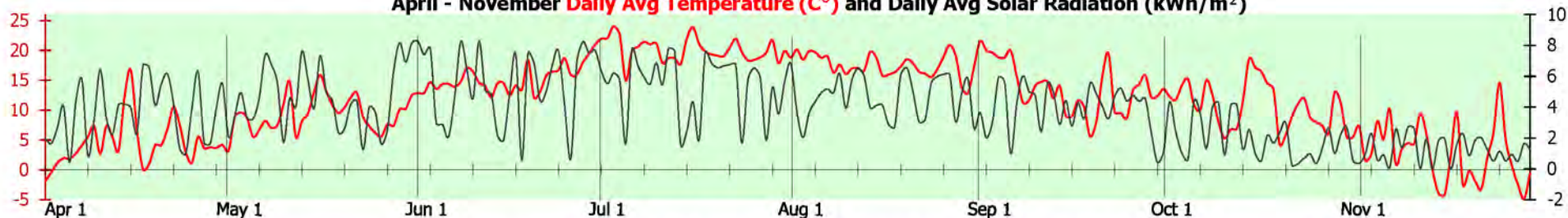
Station ID: CH5 (O)
Location: New Ross
County: Lunenburg
Contact: Kelly Munroe
Deployed: 5/14/2011

Easting: 384278.051
Northing: 4956130.631
Height (m): 134.14
[UTM Zone 20, NAD 83]

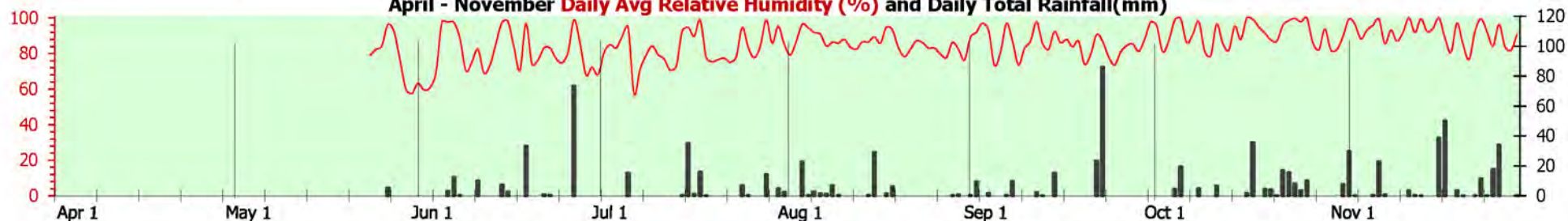


2014 Weather Data for Station CH5

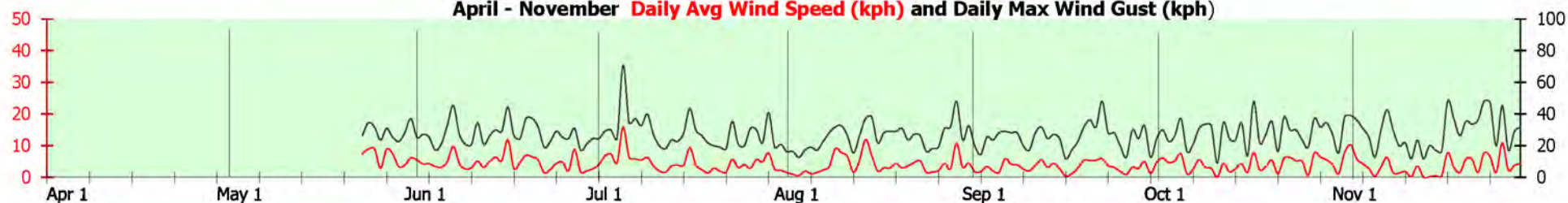
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 14, 2011

RH, Rain and Wind Sensors

May 23, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

September 20, 2014 06:35

Frost Free Duration:

114 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	3 [0]	0 [0]	-23.52	12.70	-5.18	-3.60	34.9	1.12	1.08			
February	0 [0]	0 [0]	-24.05	9.76	-5.40	-3.78	61.4	2.19	2.17			
March	0 [0]	0 [0]	-24.38	10.27	-4.01	-2.70	95.9	3.09	3.17			
April	40 [0]	11 [0]	-5.17	22.49	4.55	5.02	111.4	3.71	3.92			
May	148 [18]	34 [3]	-1.70	24.00	9.30	9.62	143.5	4.63	4.97	5.4	6.5	37.2
June	312 [312]	162 [162]	1.97	30.75	15.22	15.56	164.9	5.50	5.80	144.4	4.6	45.3
July	475 [475]	320 [320]	8.07	29.74	20.13	19.29	168.2	5.43	5.45	97.2	4.6	70.7
August	400 [400]	245 [245]	3.20	29.12	17.54	17.43	147.3	4.75	5.04	75.2	4.0	48.0
September	264 [180]	123 [89]	-2.36	29.04	13.73	14.48	121.4	4.05	4.26	148.8	3.2	48.0
October	177 [0]	57 [0]	-1.44	24.07	10.84	11.68	65.1	2.10	2.17	136.6	4.1	48.0
November	30 [0]	3 [0]	-10.86	17.61	2.90	4.34	38.7	1.29	1.21	223.2	3.8	48.0
December	18 [0]	1 [0]	-17.21	16.34	0.61	1.49	31.7	1.02	1.03	268.6	5.3	56.2
Totals, Averages or Extremes	1867 [1385]	956 [819]	-24.38	30.75	6.69	7.40	1184.4	38.89	40.26	1099.4	4.5	70.7

Southwest NS Weather Study

Station Description

Station ID: CH6 (O)

Location: Aldersville

County: Lunenburg

Contact: Jackie Russell

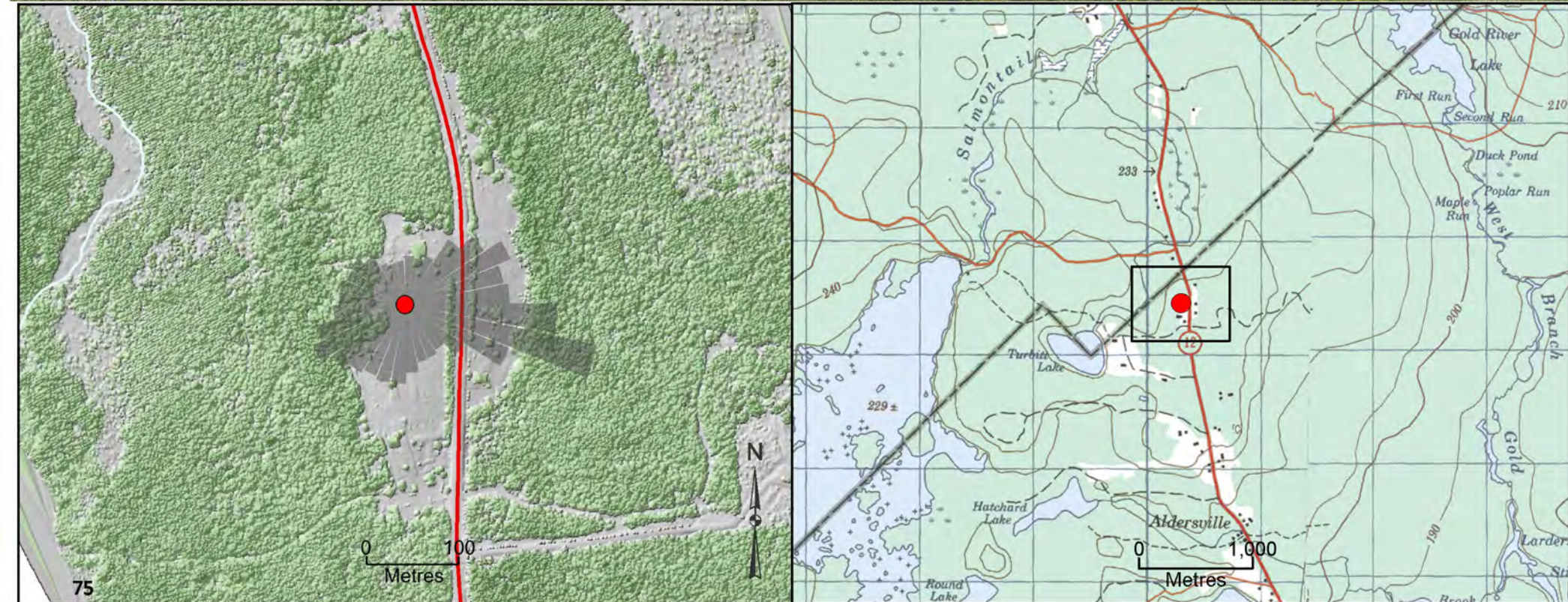
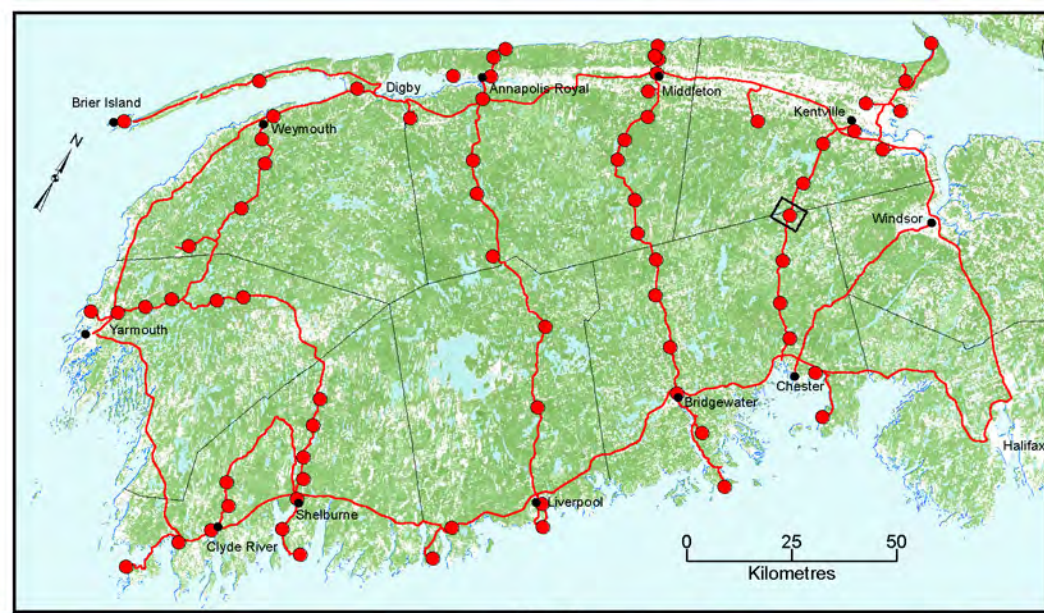
Deployed: 5/14/2011

Easting: 380312.892

Northing: 4966414.13

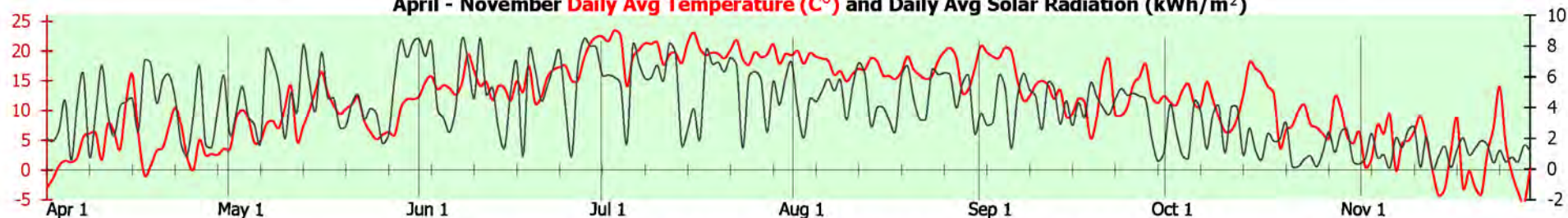
Height (m): 250.99

[UTM Zone 20, NAD 83]

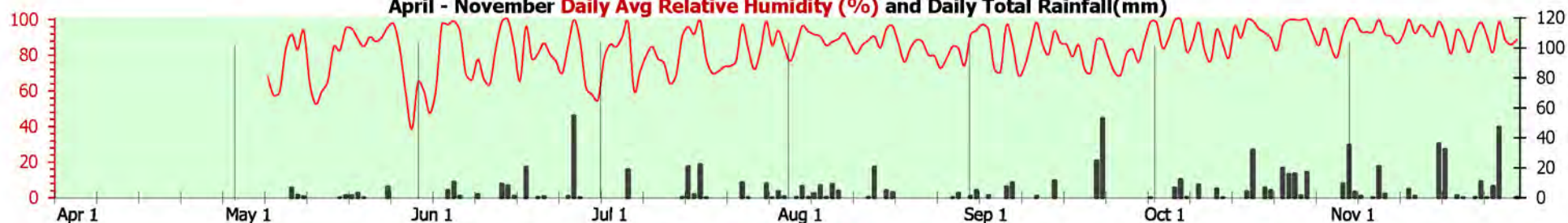


2014 Weather Data for Station CH6

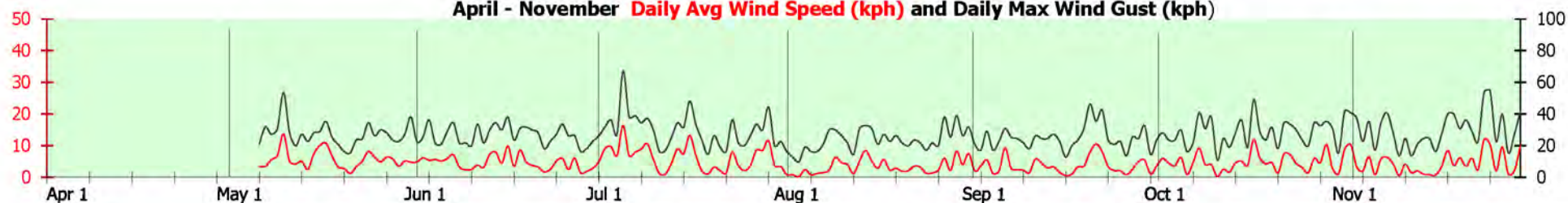
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 14, 2011

RH, Rain and Wind Sensors

May 6, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 14, 2014 21:35

Frost Free Duration:

169.7 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	4 [0]	0 [0]	-22.37	11.69	-5.36	-3.60	38.0	1.23	1.08			
February	0 [0]	0 [0]	-18.03	9.78	-5.43	-3.78	65.0	2.32	2.17			
March	0 [0]	0 [0]	-22.12	10.05	-4.35	-2.70	100.9	3.26	3.17			
April	40 [0]	10 [0]	-6.45	21.89	4.10	5.02	115.6	3.85	3.92			
May	142 [19]	35 [4]	-1.50	24.80	9.02	9.62	145.4	4.69	4.97	23.6	5.6	53.5
June	319 [319]	169 [169]	3.62	30.32	15.23	15.56	168.4	5.61	5.80	114.8	4.6	38.1
July	476 [476]	321 [321]	8.92	29.32	19.99	19.29	171.1	5.52	5.45	90.0	6.2	67.1
August	396 [396]	241 [241]	5.05	28.47	17.27	17.43	149.7	4.83	5.04	67.4	3.3	39.0
September	278 [278]	135 [135]	0.11	28.59	13.97	14.48	124.4	4.15	4.26	114.6	3.6	46.2
October	175 [175]	54 [54]	-0.37	23.67	10.52	11.68	63.6	2.05	2.17	152.2	4.6	49.0
November	30 [15]	3 [0]	-9.58	17.80	2.67	4.34	35.6	1.19	1.21	217.2	4.7	54.4
December	14 [0]	0 [0]	-15.71	15.82	-0.25	1.49	29.6	0.95	1.03	241.0	4.8	47.1
Totals, Averages or Extremes	1874 [1678]	968 [924]	-22.37	30.32	6.45	7.40	1207.2	39.64	40.26	1020.8	4.7	67.1

Southwest NS Weather Study

Station Description

Station ID: CL1 (O)

Location: Clark's Harbour

County: Shelburne

Contact: Jimmy Newell

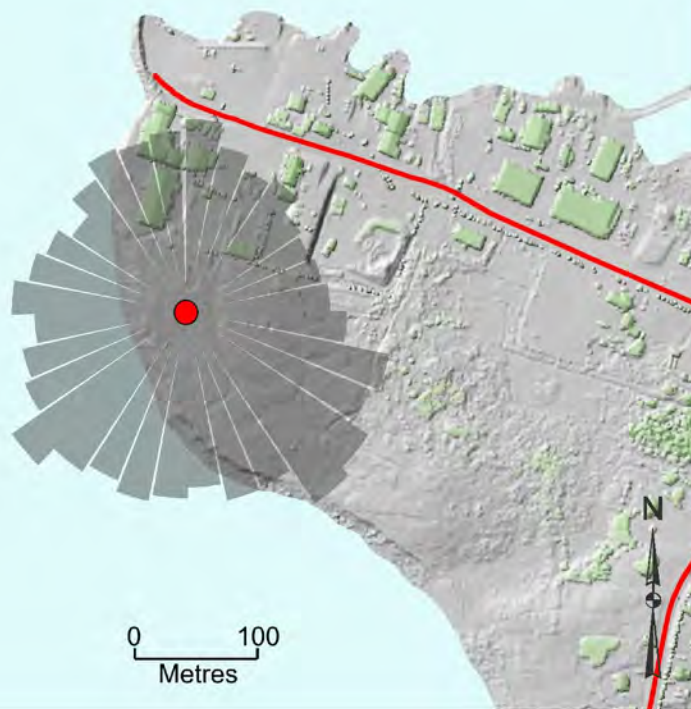
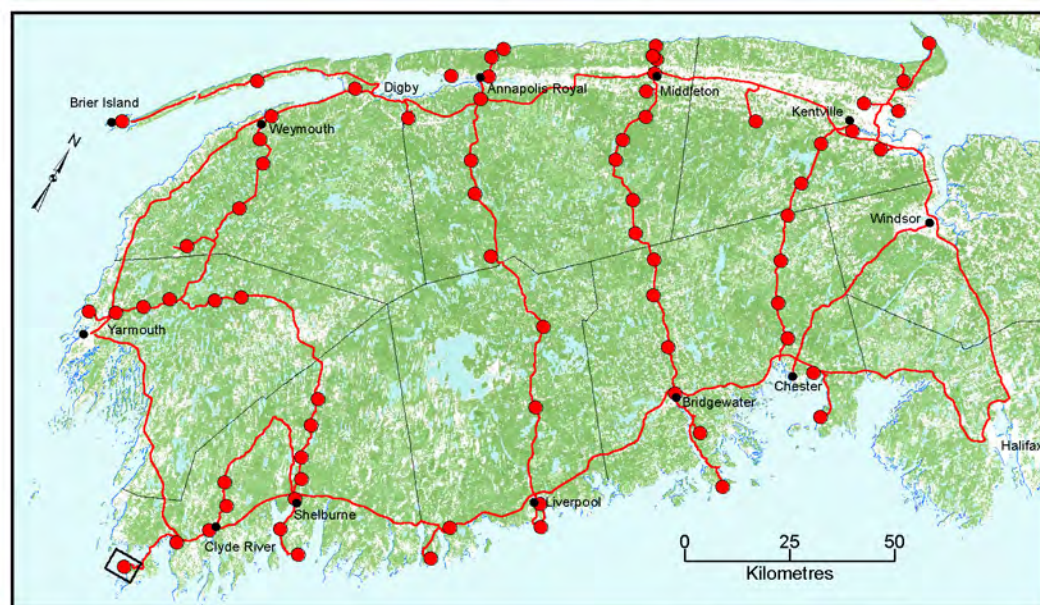
Deployed: 5/11/2011

Easting: 285240.453

Northing: 4814902.876

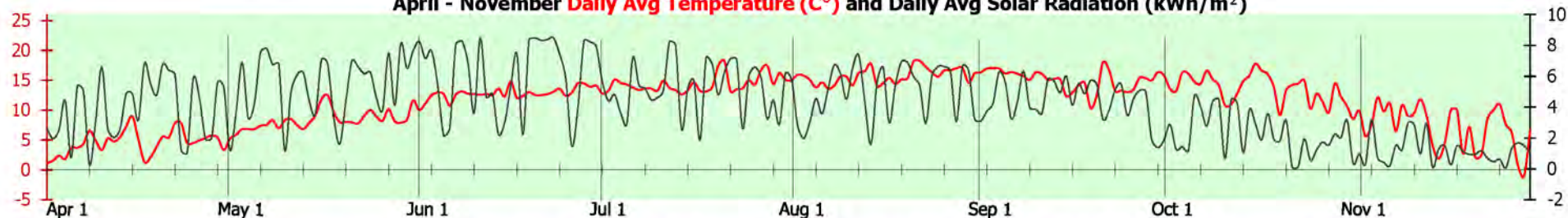
Height (m): 9.12

[UTM Zone 20, NAD 83]

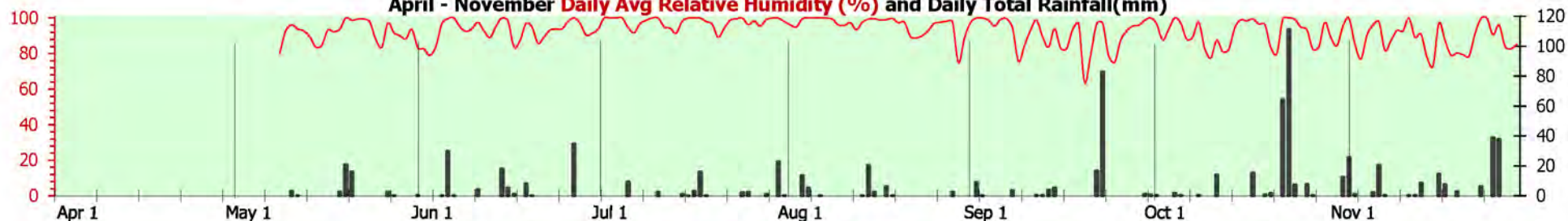


2014 Weather Data for Station CL1

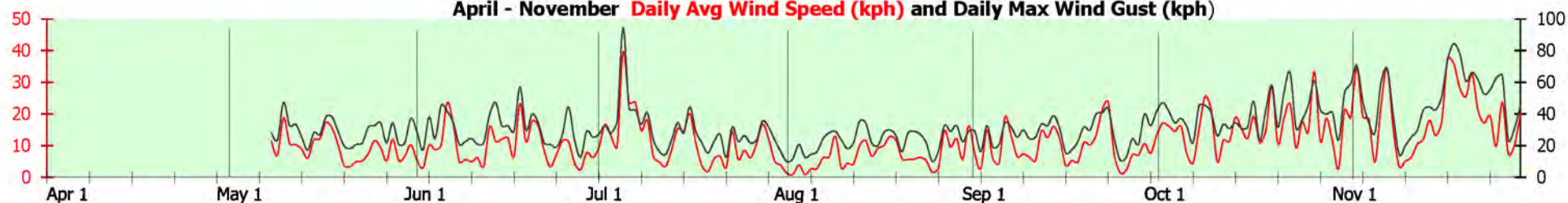
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall (mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 11, 2011

RH, Rain and Wind Sensors

May 8, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 29, 2014 05:25

Frost Free Duration:

225.9 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	4 [0]	0 [0]	-14.16	9.24	-1.14	-3.60	31.6	1.02	1.08			
February	0 [0]	0 [0]	-10.79	8.52	-1.31	-3.78	61.4	2.19	2.17			
March	2 [0]	0 [0]	-12.09	11.20	-0.49	-2.70	101.9	3.29	3.17			
April	24 [13]	0 [0]	-1.33	12.65	4.61	5.02	118.5	3.95	3.92			
May	122 [122]	10 [10]	2.42	17.65	8.33	9.62	167.4	5.40	4.97	46.4	9.4	47.1
June	250 [250]	100 [100]	5.92	20.06	12.80	15.56	184.8	6.16	5.80	101.6	9.8	57.1
July	301 [301]	146 [146]	10.00	23.71	14.38	19.29	163.4	5.27	5.45	61.2	11.5	94.3
August	344 [344]	189 [189]	10.59	22.71	15.70	17.43	159.0	5.13	5.04	51.0	6.9	35.4
September	304 [304]	154 [154]	5.46	22.15	15.04	14.48	136.5	4.55	4.26	124.8	9.5	43.5
October	272 [272]	118 [118]	6.54	21.60	13.78	11.68	75.2	2.43	2.17	226.4	15.2	66.2
November	89 [89]	8 [8]	-2.65	18.37	7.22	4.34	37.0	1.23	1.21	180.2	18.8	84.3
December	31 [0]	2 [0]	-9.34	15.39	3.73	1.49	36.6	1.18	1.03	164.8	14.5	63.5
Totals, Averages or Extremes	1743 [1695]	727 [725]	-14.16	23.71	7.72	7.40	1273.3	41.80	40.26	956.4	12.0	94.3

Southwest NS Weather Study

Station Description

Station ID: CL2 (O)

Location: Barrington

County: Shelburne

Contact: Sid Smith

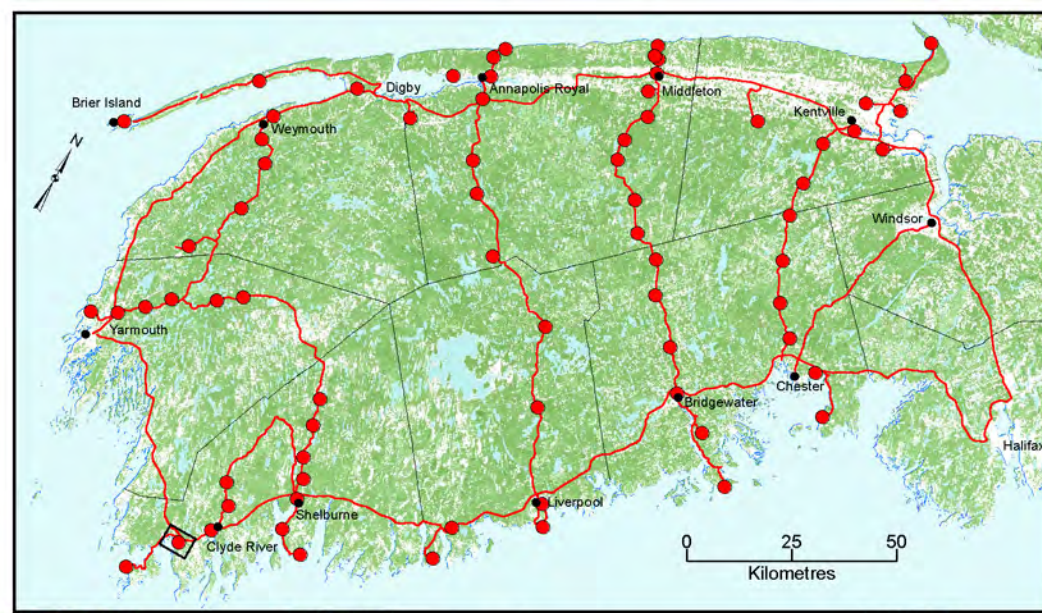
Deployed: 4/28/2011

Easting: 293182.113

Northing: 4826164.93

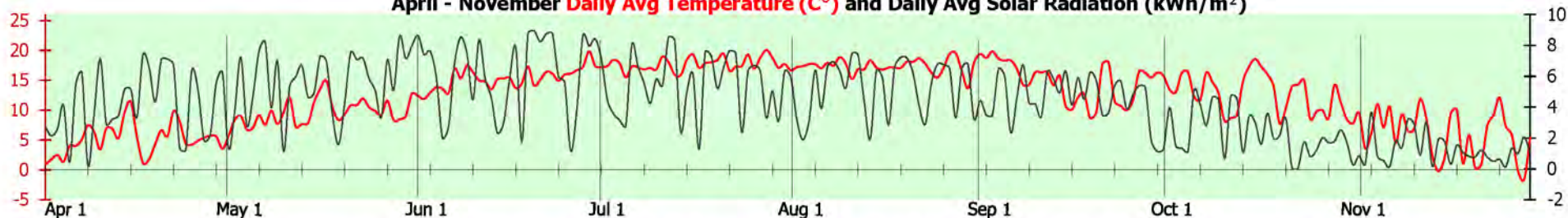
Height (m): 9.98

[UTM Zone 20, NAD 83]

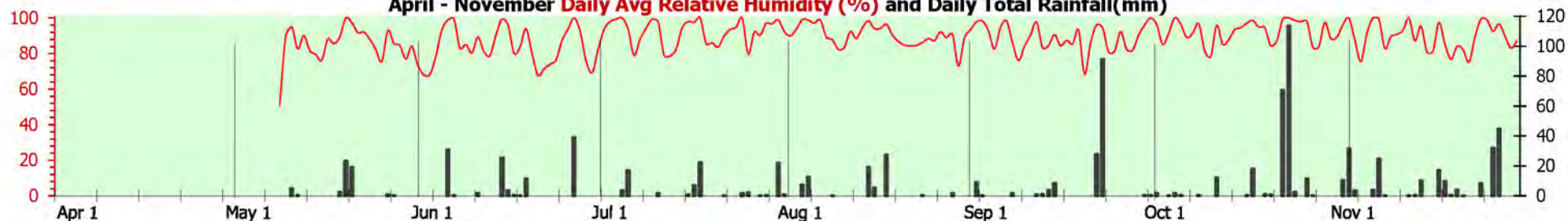


2014 Weather Data for Station CL2

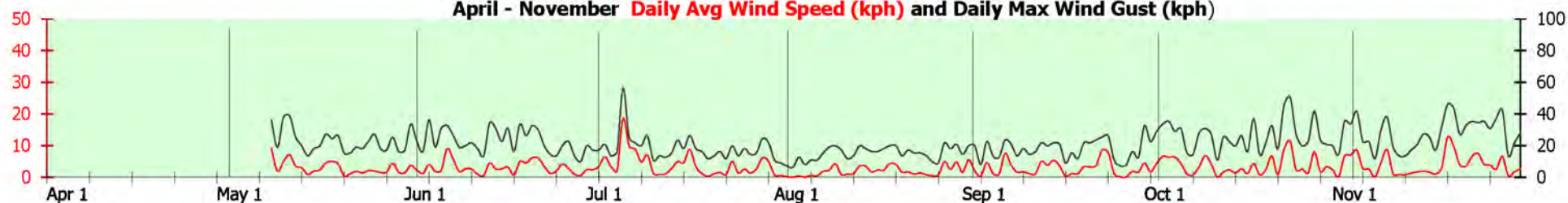
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

April 28, 2011

RH, Rain and Wind Sensors

May 8, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 15, 2014 19:35

Frost Free Duration:

199.5 days

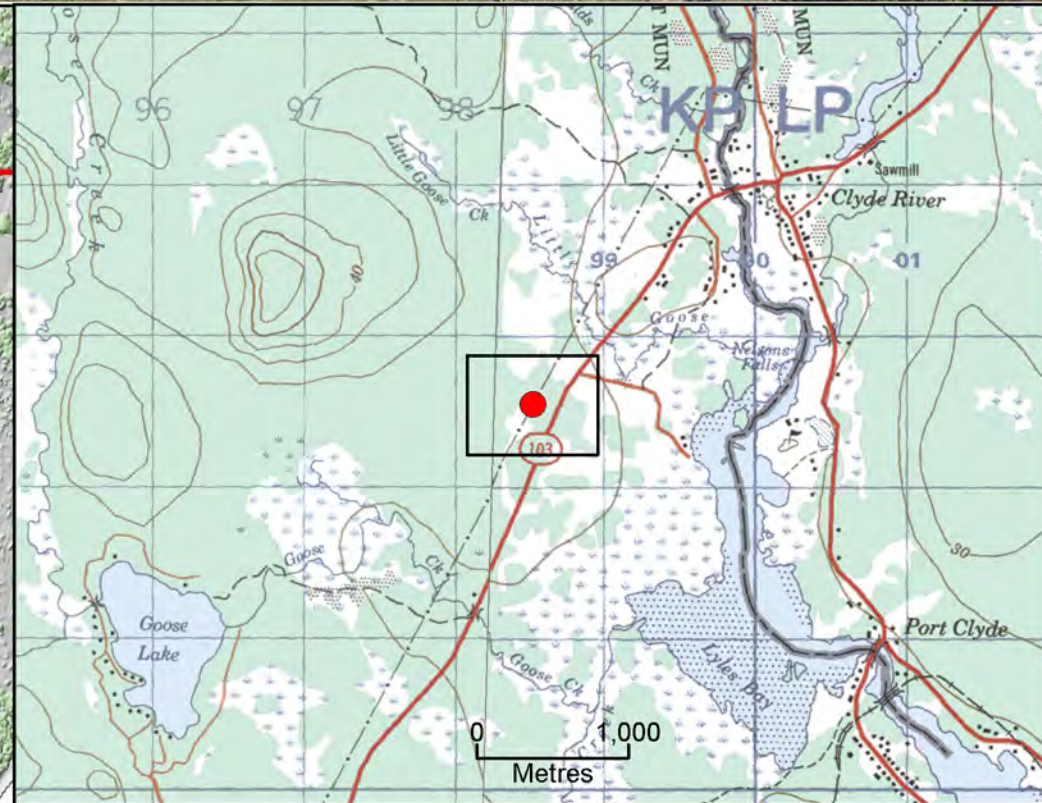
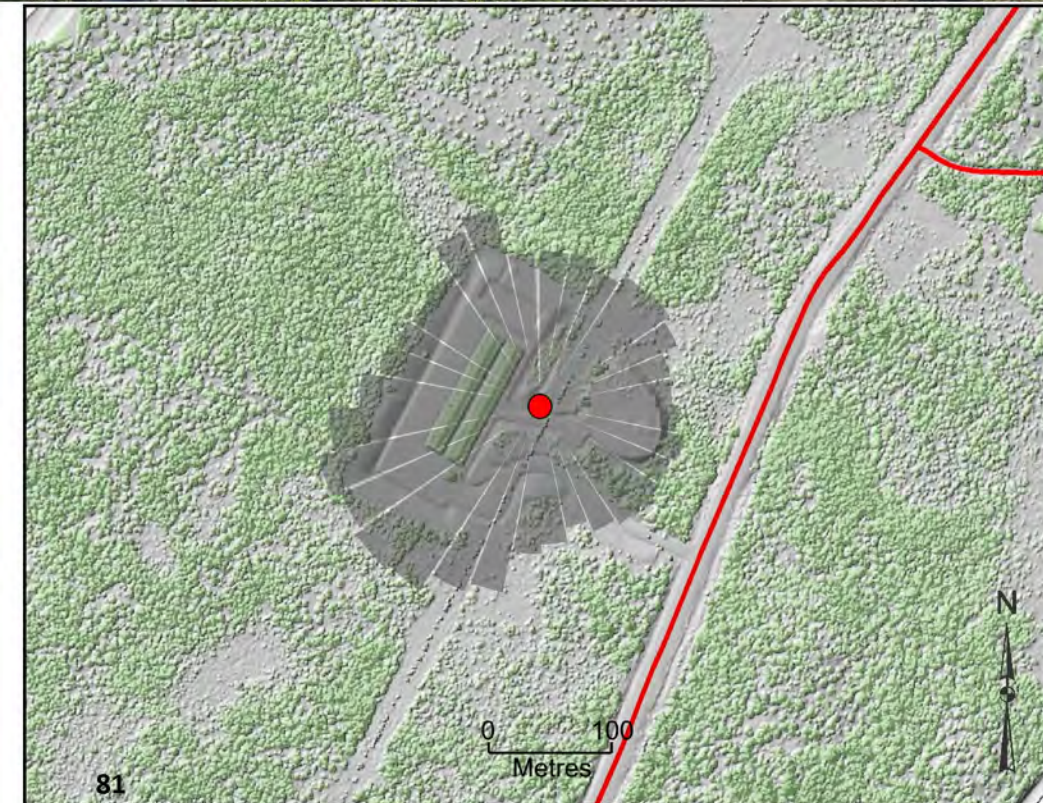
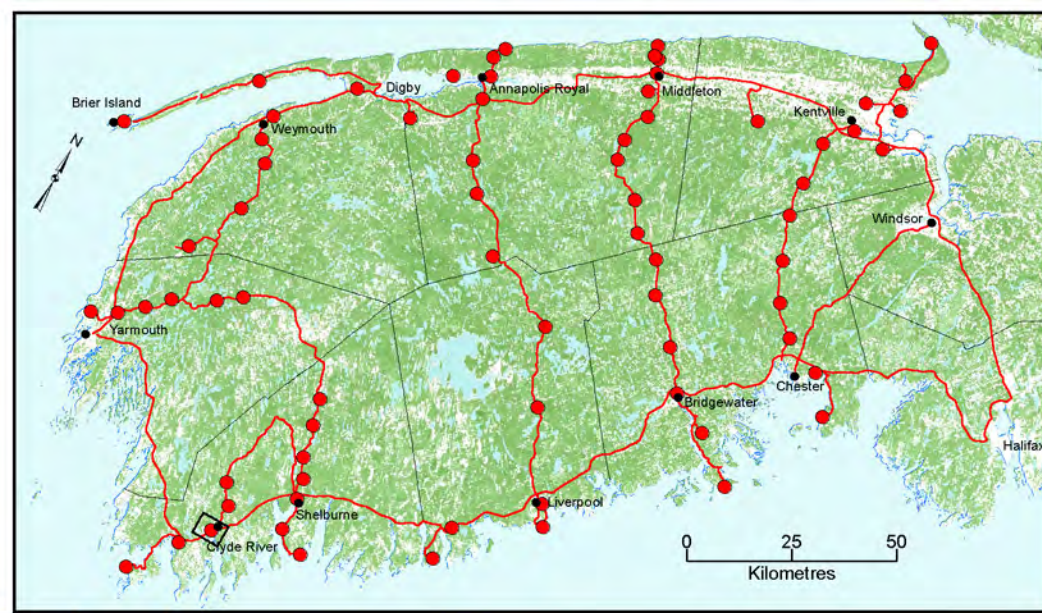
2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	3 [0]	0 [0]	-17.21	10.42	-1.94	-3.60	34.6	1.12	1.08			
February	1 [0]	0 [0]	-16.49	9.24	-2.06	-3.78	66.2	2.36	2.17			
March	6 [0]	0 [0]	-16.74	13.83	-0.98	-2.70	107.2	3.46	3.17			
April	37 [0]	3 [0]	-2.71	15.63	5.13	5.02	128.7	4.29	3.92			
May	155 [155]	31 [31]	0.33	20.13	9.59	9.62	172.0	5.55	4.97	50.8	3.0	39.0
June	316 [316]	166 [166]	3.17	29.52	15.27	15.56	187.6	6.25	5.80	114.0	3.0	36.3
July	414 [414]	259 [259]	9.44	27.55	17.71	19.29	171.1	5.52	5.45	80.2	4.0	56.2
August	395 [395]	240 [240]	4.95	25.67	17.32	17.43	166.7	5.38	5.04	74.6	2.0	21.8
September	300 [300]	153 [153]	-1.36	26.16	14.85	14.48	140.8	4.69	4.26	145.4	2.8	32.6
October	235 [235]	94 [94]	1.43	23.45	12.87	11.68	76.0	2.45	2.17	235.4	3.6	50.8
November	62 [36]	4 [1]	-5.39	17.23	6.03	4.34	38.8	1.29	1.21	202.0	4.0	46.2
December	28 [0]	2 [0]	-11.36	14.63	3.00	1.49	38.9	1.25	1.03	210.2	3.8	49.0
Totals, Averages or Extremes	1952 [1851]	952 [944]	-17.21	29.52	8.07	7.40	1328.6	43.62	40.26	1112.6	3.3	56.2

Southwest NS Weather Study

Station Description

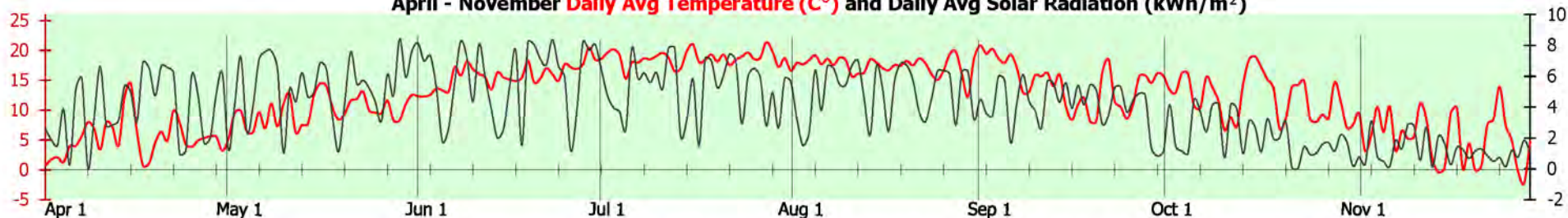
Station ID: CL3 (O)
Location: Clyde River
County: Shelburne
Contact: Larry Nickerson
Deployed: 5/11/2011

Easting: 298520.374
Northing: 4832541.965
Height (m): 14.72
[UTM Zone 20, NAD 83]

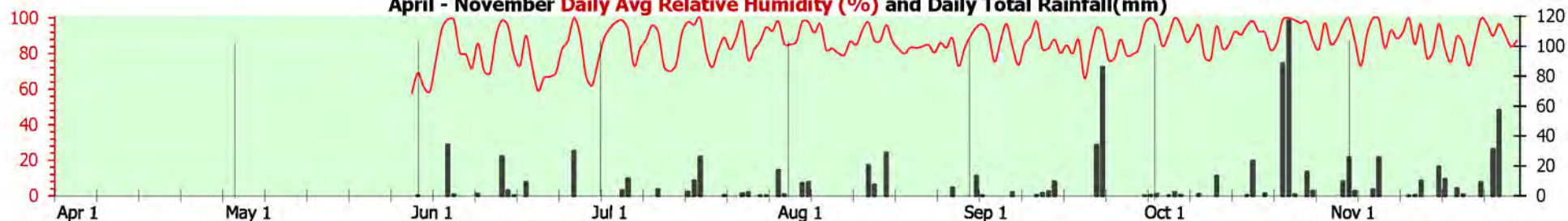


2014 Weather Data for Station CL3

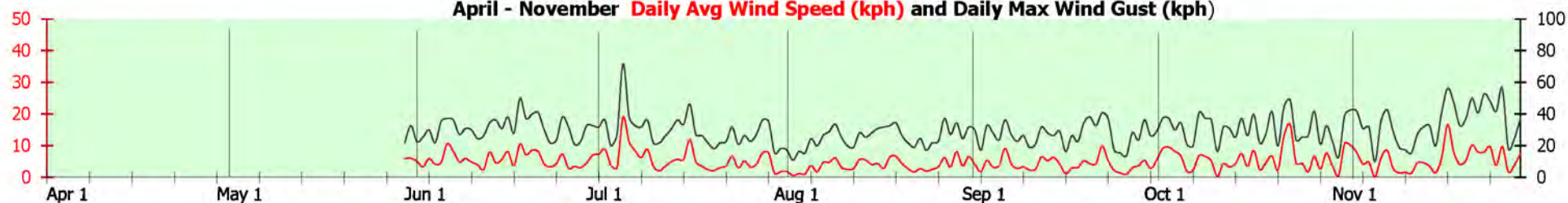
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 11, 2011

RH, Rain and Wind Sensors

May 30, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

September 19, 2014 23:40

Frost Free Duration:

113.7 days

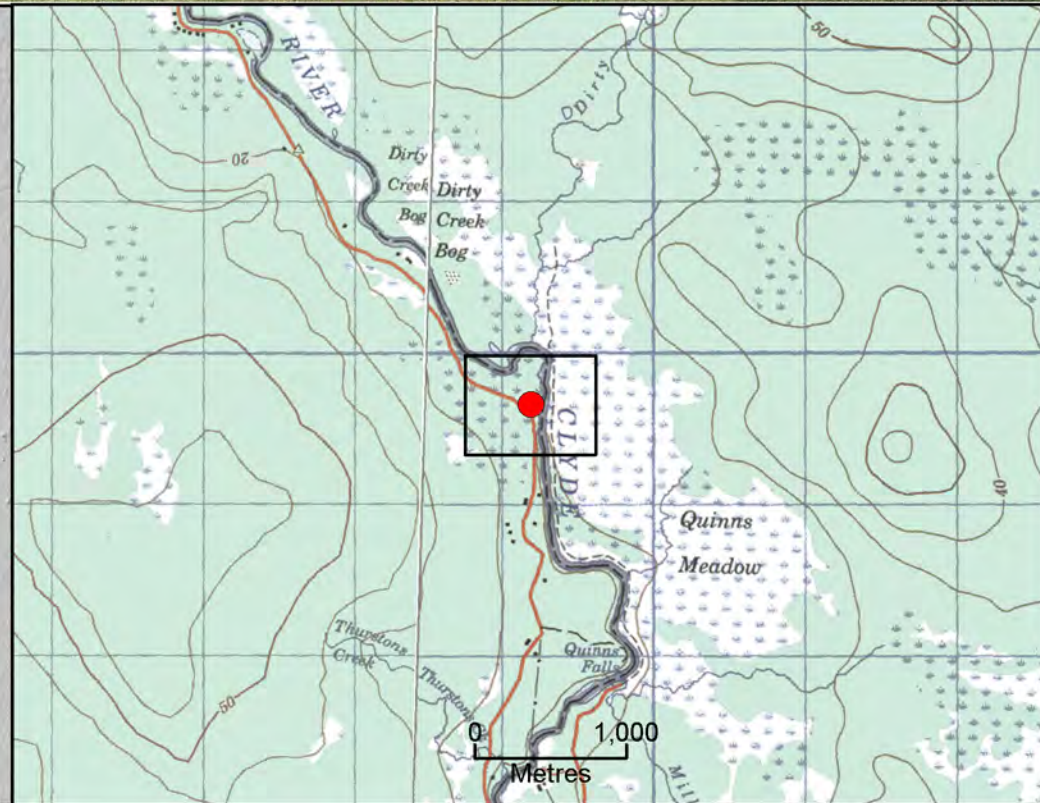
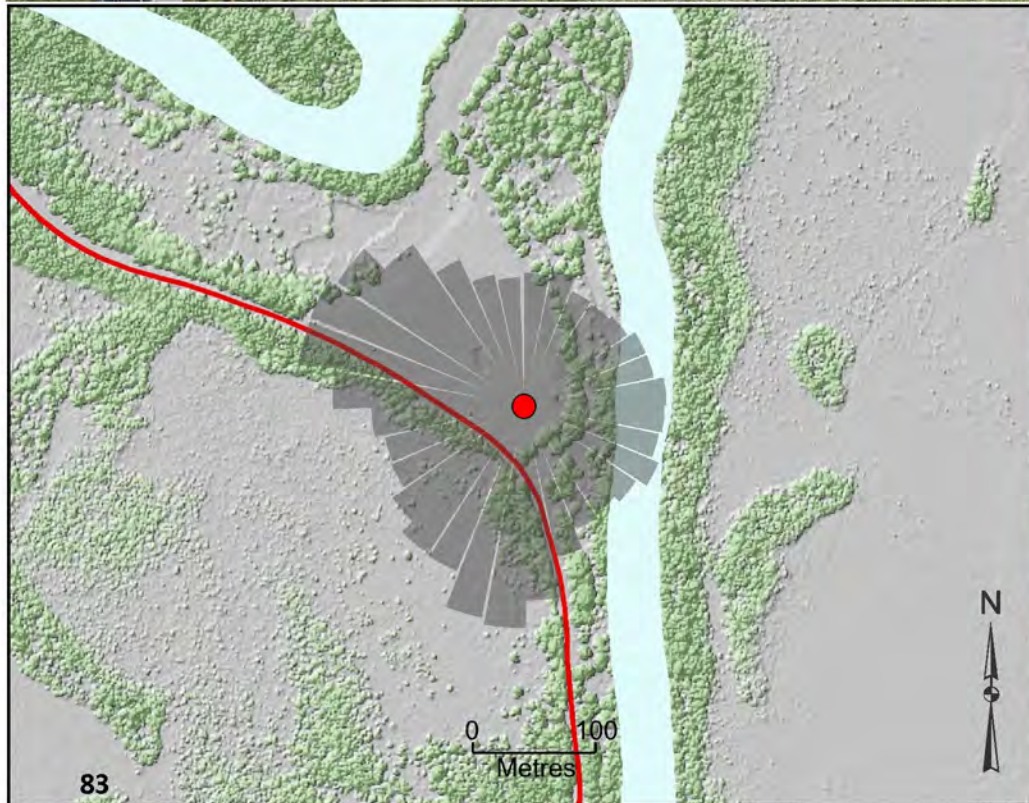
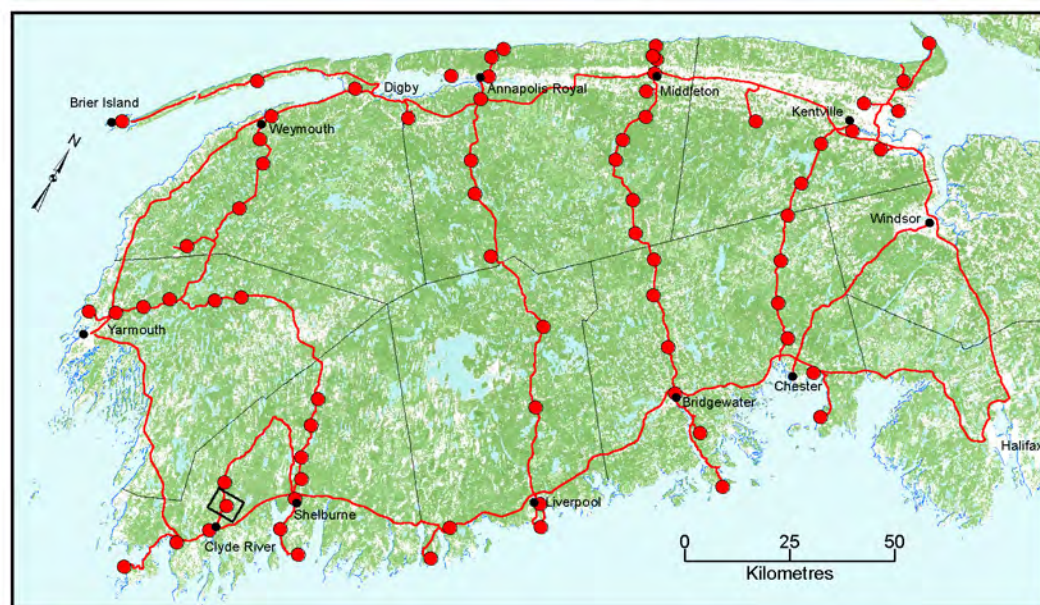
2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	9 [0]	0 [0]	-20.69	11.98	-2.22	-3.60	35.2	1.13	1.08			
February	3 [0]	0 [0]	-21.03	12.05	-2.55	-3.78	64.1	2.29	2.17			
March	4 [0]	0 [0]	-20.12	13.43	-1.40	-2.70	97.8	3.15	3.17			
April	41 [0]	8 [0]	-3.39	19.27	5.28	5.02	120.2	4.01	3.92			
May	144 [13]	32 [3]	-2.22	21.13	9.81	9.62	162.0	5.23	4.97	0.2	5.9	32.6
June	325 [325]	175 [175]	1.02	31.23	15.73	15.56	175.7	5.86	5.80	105.4	5.6	49.9
July	433 [433]	278 [278]	7.42	28.94	18.71	19.29	165.8	5.35	5.45	80.6	5.6	71.6
August	391 [391]	236 [236]	1.32	26.04	17.43	17.43	156.5	5.05	5.04	79.6	3.8	37.2
September	277 [188]	136 [98]	-3.90	27.36	14.47	14.48	129.2	4.31	4.26	151.0	4.0	40.8
October	214 [0]	82 [0]	-1.58	25.19	12.35	11.68	68.4	2.21	2.17	269.8	5.5	49.0
November	56 [0]	5 [0]	-8.43	17.34	5.51	4.34	36.8	1.23	1.21	212.6	5.9	56.2
December	27 [0]	3 [0]	-15.14	16.20	2.88	1.49	34.9	1.13	1.03	234.4	6.2	53.5
Totals, Averages or Extremes	1924 [1350]	955 [790]	-21.03	31.23	8.00	7.40	1246.5	40.93	40.26	1133.7	5.3	71.6

Southwest NS Weather Study

Station Description

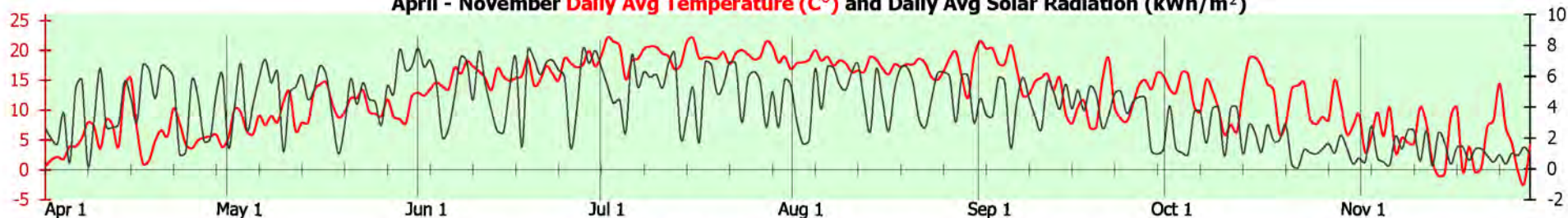
Station ID: CL4 (O)
Location: Clyde River
County: Shelburne
Contact: Peter Sutherland
Deployed: 4/28/2011

Easting: 299175.695
Northing: 4839662.488
Height (m): 15.22
[UTM Zone 20, NAD 83]

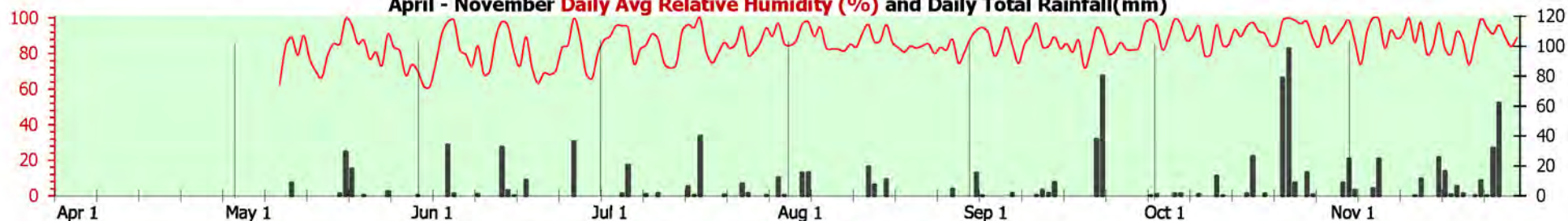


2014 Weather Data for Station CL4

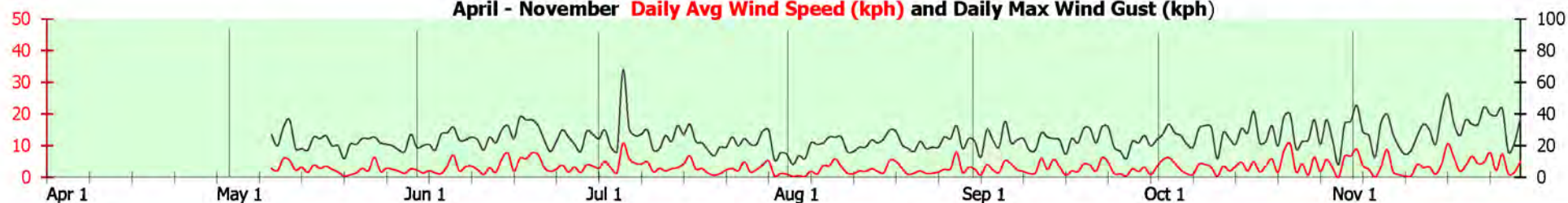
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

April 28, 2011

RH, Rain and Wind Sensors

May 8, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

September 19, 2014 22:05

Frost Free Duration:

112.6 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	9 [0]	0 [0]	-23.62	12.00	-2.52	-3.60	32.6	1.05	1.08			
February	3 [0]	0 [0]	-22.58	11.47	-3.04	-3.78	60.3	2.15	2.17			
March	4 [0]	0 [0]	-20.98	12.70	-2.02	-2.70	90.0	3.00	3.17			
April	48 [0]	10 [0]	-4.02	21.13	5.53	5.02	116.5	3.88	3.92			
May	149 [9]	37 [2]	-2.51	22.61	9.84	9.62	149.0	4.81	4.97	61.6	2.7	36.3
June	326 [326]	176 [176]	0.05	31.28	15.96	15.56	164.4	5.48	5.80	120.0	3.4	38.1
July	454 [454]	299 [299]	6.08	29.39	19.40	19.29	159.9	5.16	5.45	96.2	3.3	68.0
August	389 [389]	234 [234]	0.05	27.80	17.44	17.43	149.9	4.84	5.04	73.2	2.4	32.6
September	268 [183]	129 [95]	-5.39	28.94	14.00	14.48	123.8	4.13	4.26	150.8	2.7	35.4
October	205 [0]	78 [0]	-2.92	25.02	11.97	11.68	62.9	2.03	2.17	250.2	3.6	41.7
November	48 [0]	4 [0]	-9.30	17.01	5.08	4.34	35.3	1.18	1.21	234.2	4.1	52.6
December	27 [0]	3 [0]	-15.63	16.32	2.61	1.49	32.3	1.04	1.03	241.0	4.4	45.3
Totals, Averages or Extremes	1930 [1361]	970 [806]	-23.62	31.28	7.85	7.40	1176.9	38.74	40.26	1227.3	3.3	68.0

Southwest NS Weather Study

Station Description

Station ID: CL5 (O)

Location: Clyde River

County: Shelburne

Contact: Ruth Hemeon

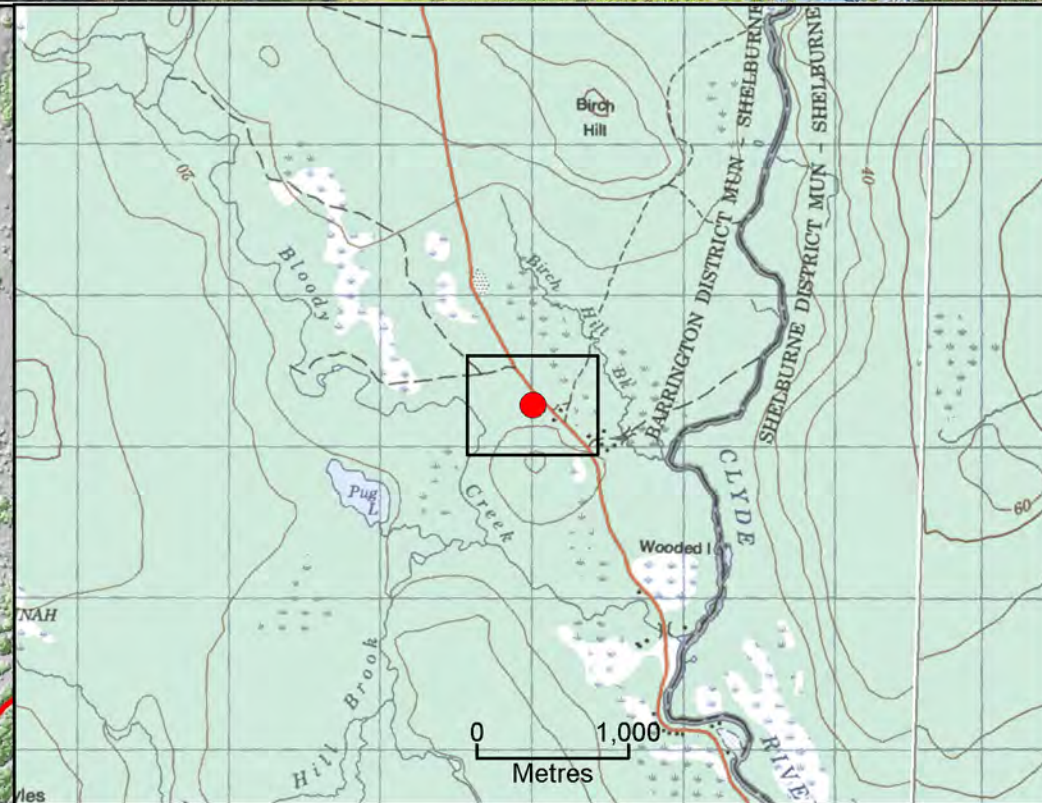
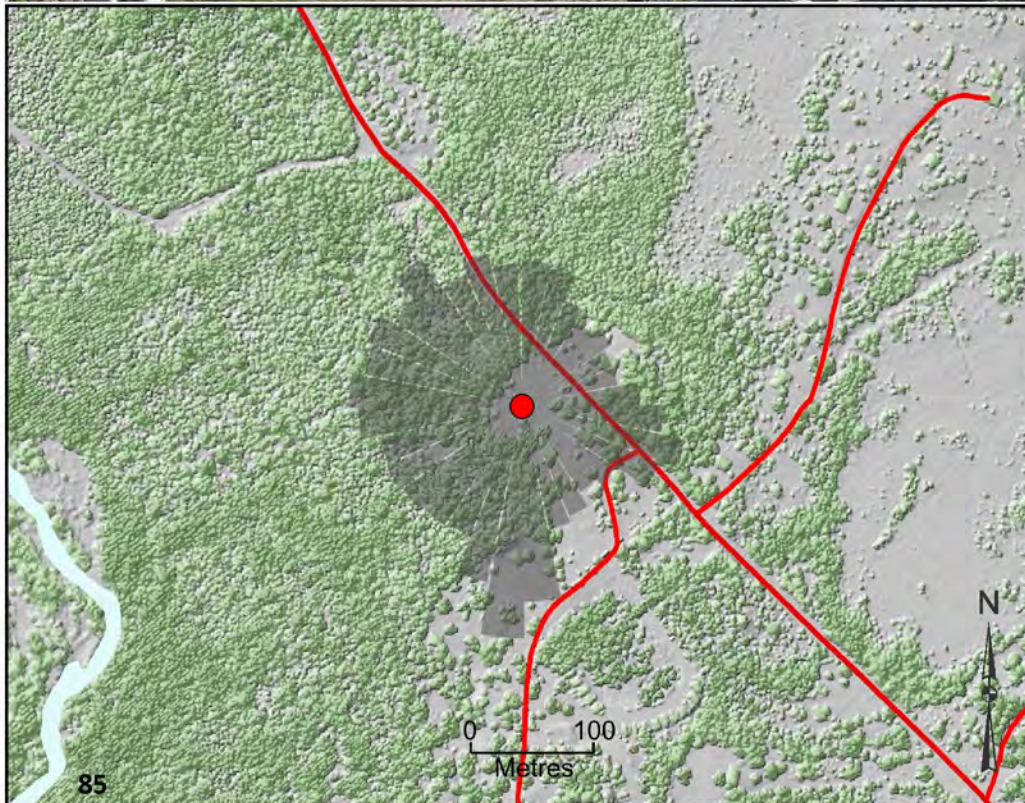
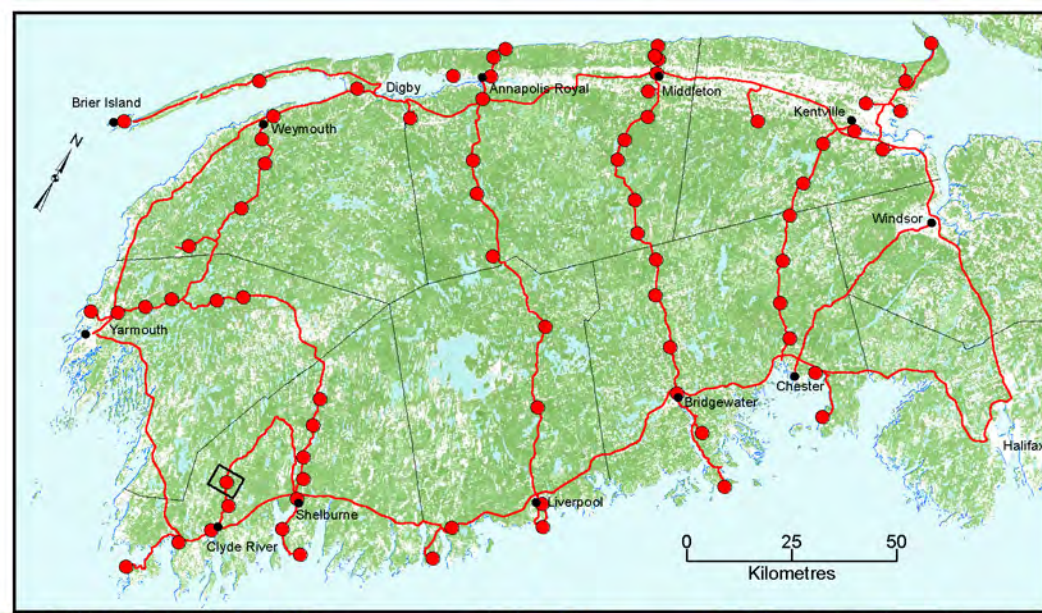
Deployed: 4/28/2011

Easting: 296016.428

Northing: 4844291.194

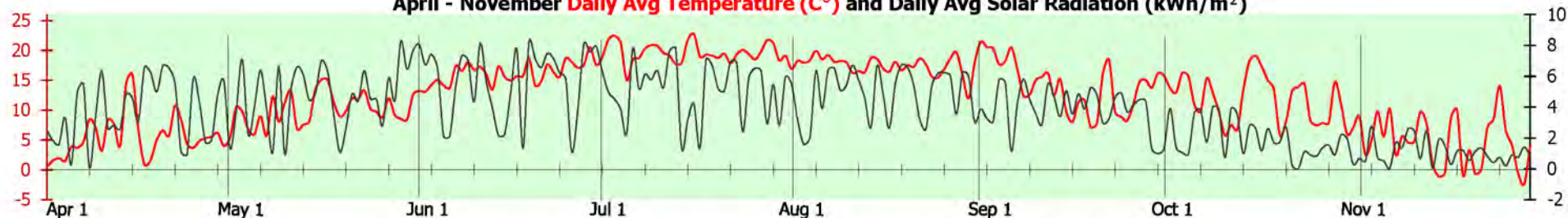
Height (m): 24.21

[UTM Zone 20, NAD 83]

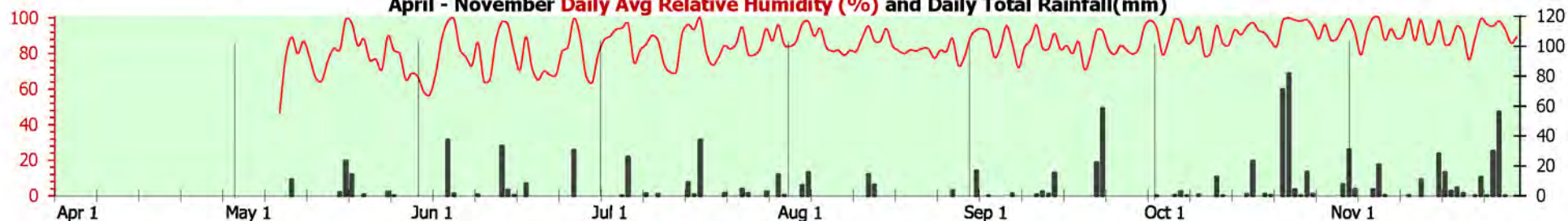


2014 Weather Data for Station CL5

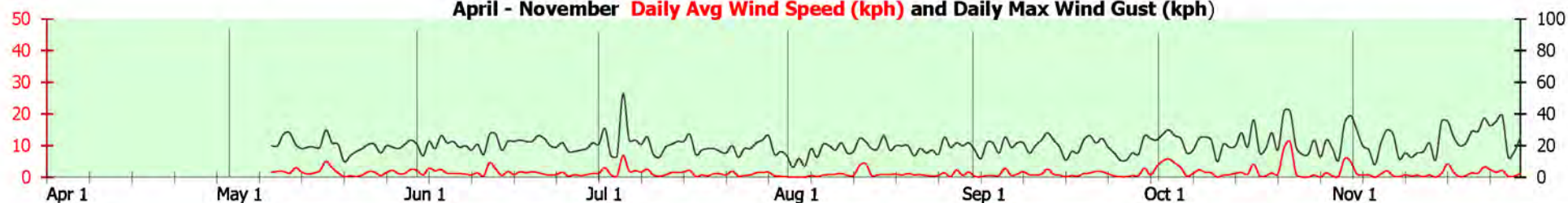
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

April 28, 2011

RH, Rain and Wind Sensors

May 8, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

September 19, 2014 23:00

Frost Free Duration:

109.7 days

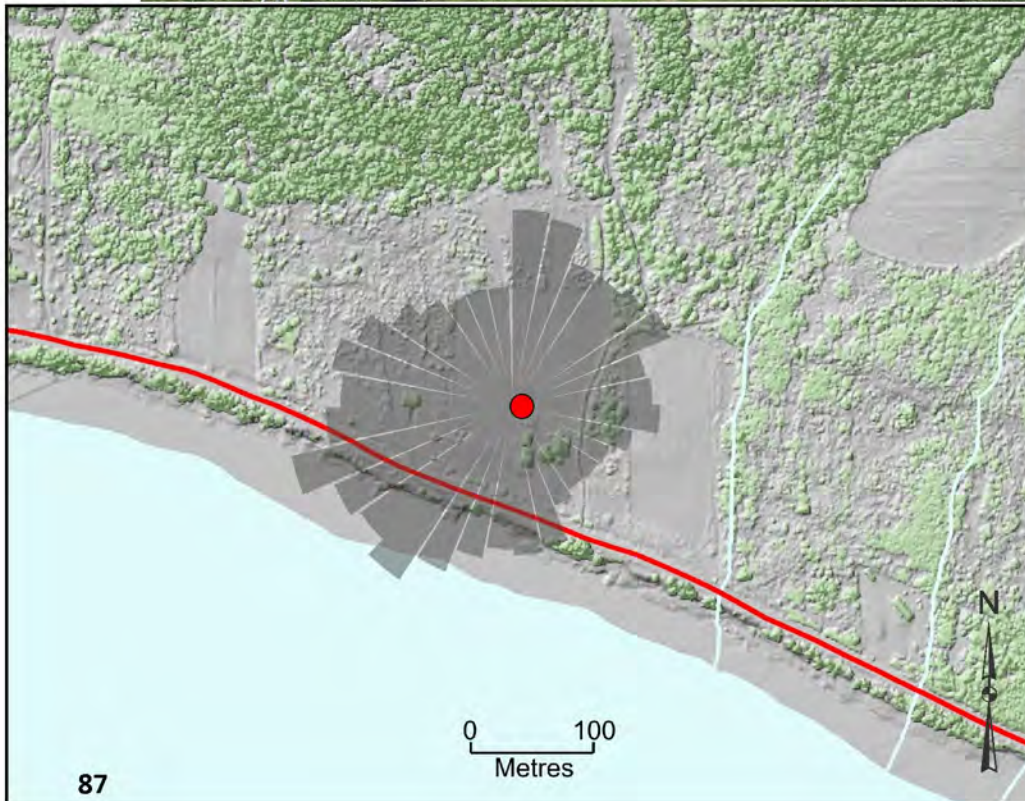
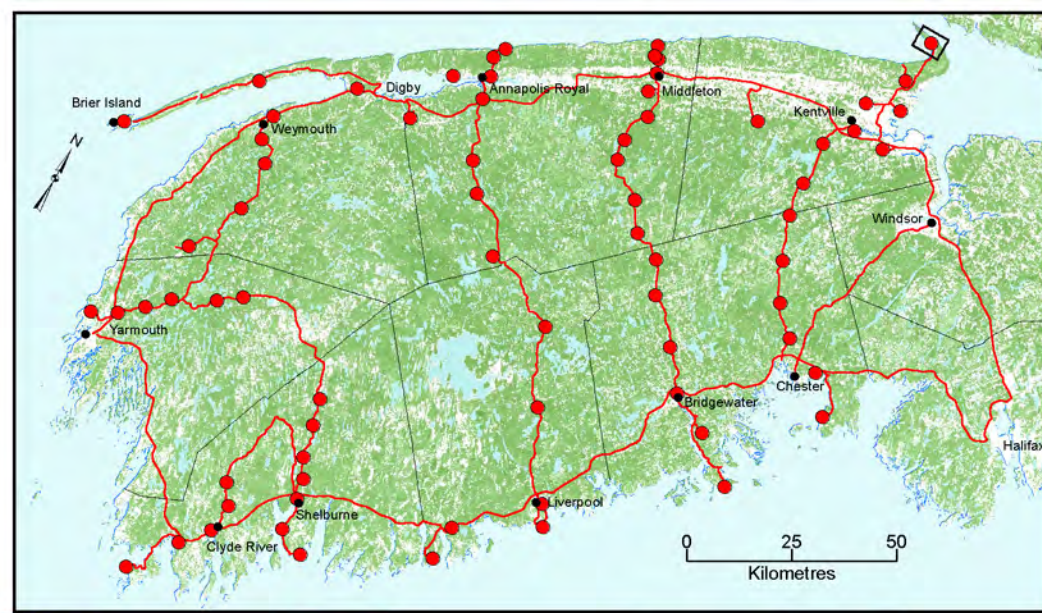
2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	7 [0]	0 [0]	-22.27	12.12	-2.76	-3.60	29.1	0.94	1.08			
February	2 [0]	0 [0]	-22.68	11.76	-3.16	-3.78	58.8	2.10	2.17			
March	4 [0]	0 [0]	-22.63	13.16	-1.91	-2.70	95.0	3.06	3.17			
April	49 [0]	11 [0]	-4.59	22.20	5.55	5.02	115.3	3.84	3.92			
May	156 [0]	41 [0]	-2.74	23.59	10.06	9.62	147.1	4.74	4.97	54.4	1.7	29.9
June	331 [324]	181 [179]	-0.14	32.79	16.17	15.56	172.5	5.75	5.80	116.2	1.4	27.2
July	467 [467]	312 [312]	7.19	29.89	19.62	19.29	161.6	5.21	5.45	102.0	1.4	52.6
August	392 [392]	237 [237]	-0.03	27.46	17.46	17.43	153.8	4.96	5.04	48.2	1.0	26.3
September	275 [185]	134 [95]	-4.87	28.62	14.09	14.48	121.4	4.05	4.26	119.8	1.0	28.1
October	204 [0]	79 [0]	-2.33	25.45	11.88	11.68	63.7	2.05	2.17	218.2	2.1	41.7
November	45 [0]	4 [0]	-8.23	16.73	4.86	4.34	34.0	1.13	1.21	233.8	1.4	39.0
December	24 [0]	2 [0]	-15.18	16.49	2.32	1.49	29.0	0.94	1.03	256.6	1.8	43.5
Totals, Averages or Extremes	1956 [1368]	1001 [823]	-22.68	32.79	7.85	7.40	1181.3	38.79	40.26	1149.2	1.5	52.6

Southwest NS Weather Study

Station Description

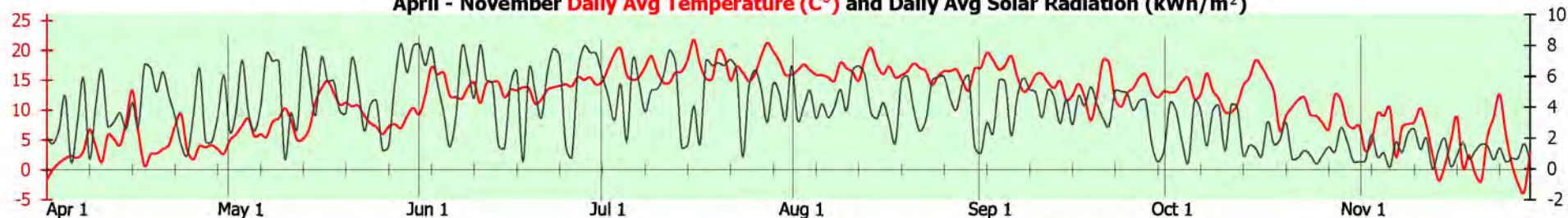
Station ID: KE1 (O)
Location: Scotts Bay
County: Kings
Contact: K. & D. Huntley
Deployed: 7/13/2011

Easting: 389067.203
Northing: 5018706.093
Height (m): 19.36
[UTM Zone 20, NAD 83]

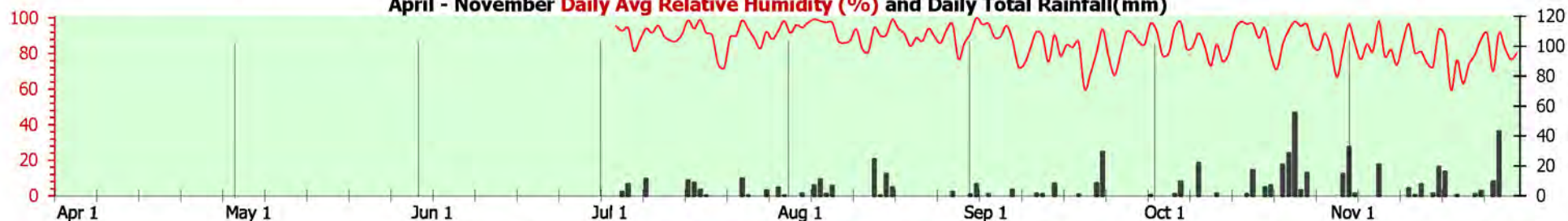


2014 Weather Data for Station KE1

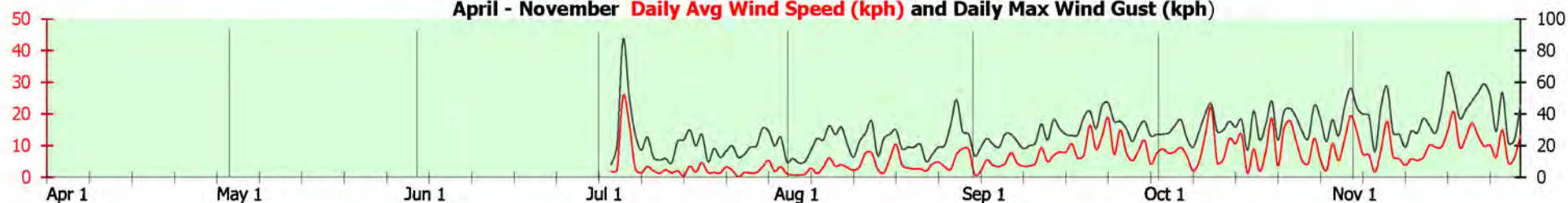
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

July 13, 2011

RH, Rain and Wind Sensors

July 3, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 15, 2014 05:20

Frost Free Duration:

170 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	6 [0]	0 [0]	-22.58	11.71	-3.93	-3.60	32.1	1.04	1.08			
February	0 [0]	0 [0]	-14.71	11.20	-3.93	-3.78	60.2	2.15	2.17			
March	0 [0]	0 [0]	-18.34	7.80	-3.16	-2.70	94.4	3.15	3.17			
April	26 [0]	3 [0]	-4.29	17.94	3.90	5.02	109.4	3.65	3.92			
May	126 [11]	26 [1]	-0.17	20.82	8.52	9.62	150.1	4.84	4.97			
June	268 [268]	119 [119]	3.49	26.92	13.68	15.56	159.1	5.30	5.80			
July	389 [389]	234 [234]	9.88	29.59	17.24	19.29	153.6	4.96	5.45	65.4	3.5	87.0
August	363 [363]	208 [208]	6.23	25.87	16.43	17.43	139.0	4.48	5.04	75.4	4.0	49.0
September	285 [285]	137 [137]	2.82	25.67	14.66	14.48	119.1	3.97	4.26	62.2	7.4	47.1
October	215 [215]	79 [79]	1.72	23.23	12.07	11.68	65.1	2.10	2.17	188.4	8.7	48.0
November	49 [31]	4 [1]	-6.20	17.30	4.67	4.34	35.0	1.17	1.21	177.2	10.1	66.2
December	21 [0]	2 [0]	-13.43	16.20	1.20	1.49	30.5	0.98	1.03	142.8	9.1	60.7
Totals, Averages or Extremes	1748 [1562]	812 [779]	-22.58	29.59	6.78	7.40	1147.7	37.79	40.26	711.4	7.1	87.0

Southwest NS Weather Study

Station Description

Station ID: KE2 (O)

Location: Canning

County: Kings

Contact: Simon Rafuse

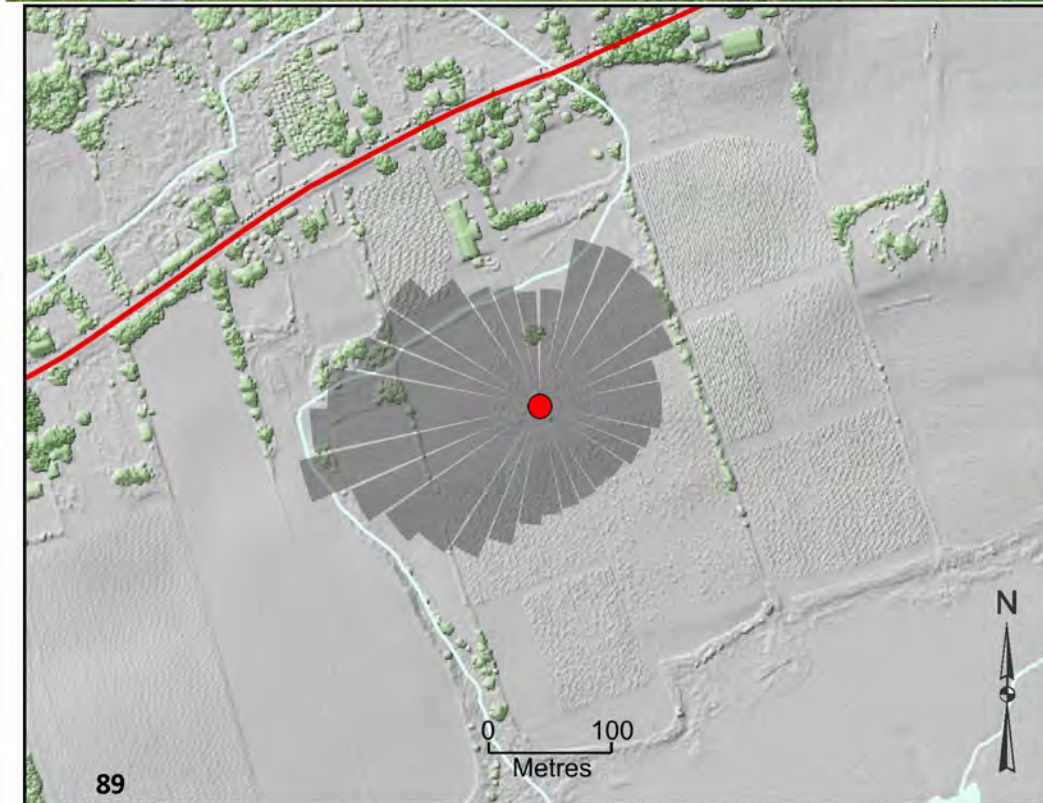
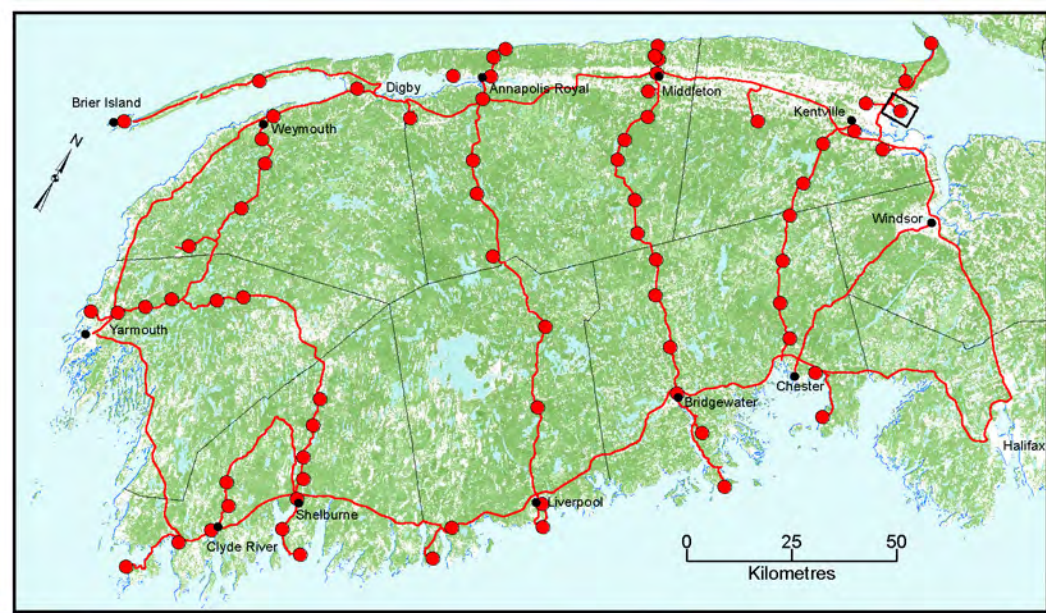
Deployed: 7/13/2011

Easting: 390773.278

Northing: 5001146.206

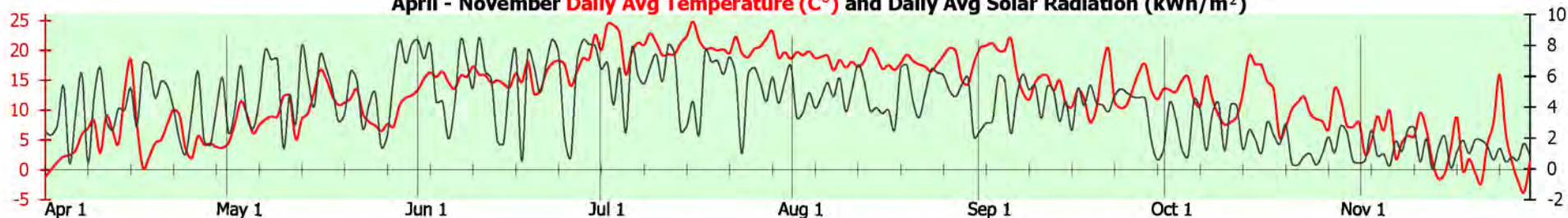
Height (m): 17.08

[UTM Zone 20, NAD 83]

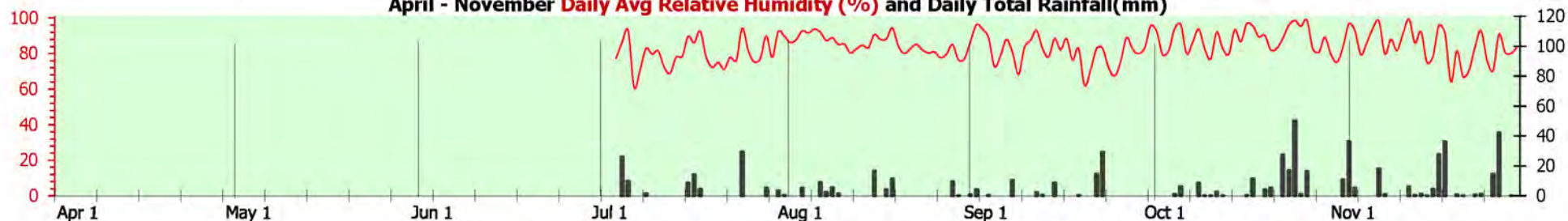


2014 Weather Data for Station KE2

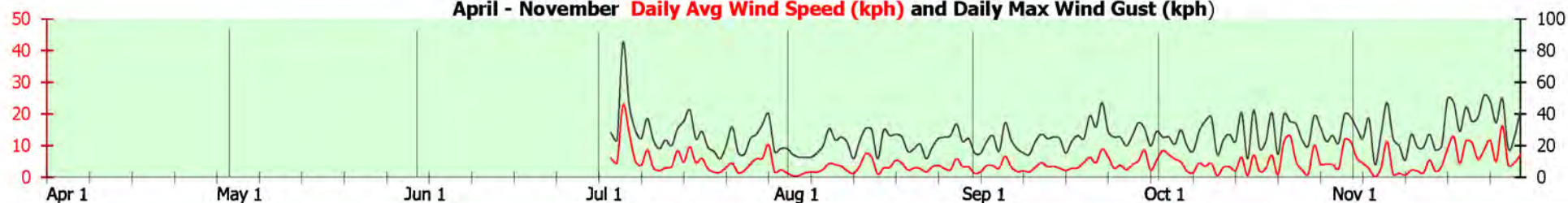
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

July 13, 2011

RH, Rain and Wind Sensors

July 3, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 09, 2014 01:00

Frost Free Duration:

166.8 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	7 [0]	0 [0]	-21.47	13.02	-4.08	-3.60	39.3	1.27	1.08			
February	0 [0]	0 [0]	-19.29	8.99	-4.24	-3.78	67.2	2.40	2.17			
March	1 [0]	0 [0]	-21.97	10.93	-3.40	-2.70	105.3	3.40	3.17			
April	55 [0]	12 [0]	-4.11	23.47	5.26	5.02	115.9	3.86	3.92			
May	175 [30]	49 [7]	-0.12	23.74	9.91	9.62	155.3	5.01	4.97			
June	336 [336]	186 [186]	3.20	30.19	15.97	15.56	173.9	5.80	5.80			
July	500 [500]	345 [345]	10.35	31.31	20.89	19.29	175.4	5.66	5.45	103.6	5.5	85.2
August	422 [422]	267 [267]	6.36	29.14	18.13	17.43	151.0	4.87	5.04	67.2	3.0	33.5
September	302 [302]	154 [154]	1.78	27.70	14.94	14.48	126.6	4.22	4.26	71.2	3.8	47.1
October	205 [205]	71 [71]	0.61	24.27	11.68	11.68	67.3	2.17	2.17	153.0	4.6	42.6
November	40 [14]	5 [0]	-8.03	19.67	4.16	4.34	37.1	1.24	1.21	208.8	6.1	51.7
December	23 [0]	4 [0]	-12.53	17.77	1.23	1.49	30.3	0.98	1.03	151.0	7.8	55.3
Totals, Averages or Extremes	2066 [1809]	1093 [1030]	-21.97	31.31	7.54	7.40	1244.5	40.87	40.26	754.8	5.1	85.2

Southwest NS Weather Study

Station Description

Station ID: KE3 (O)

Location: Kentville

County: Kings

Contact: Jeff Franklin

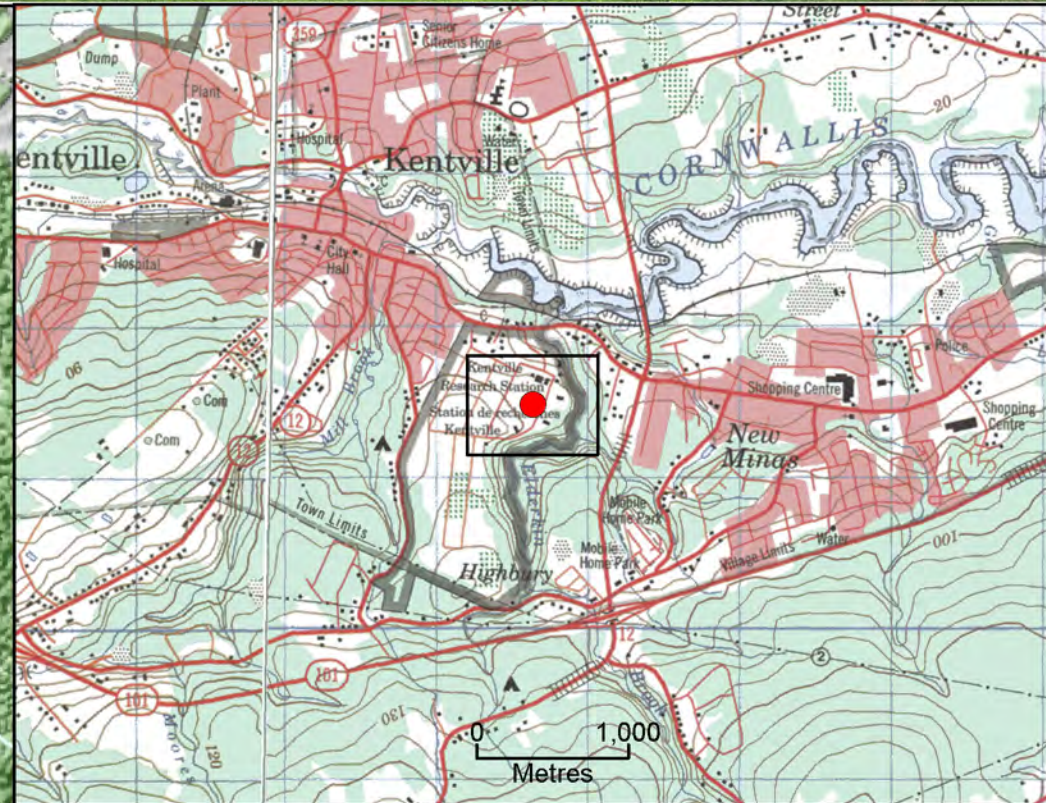
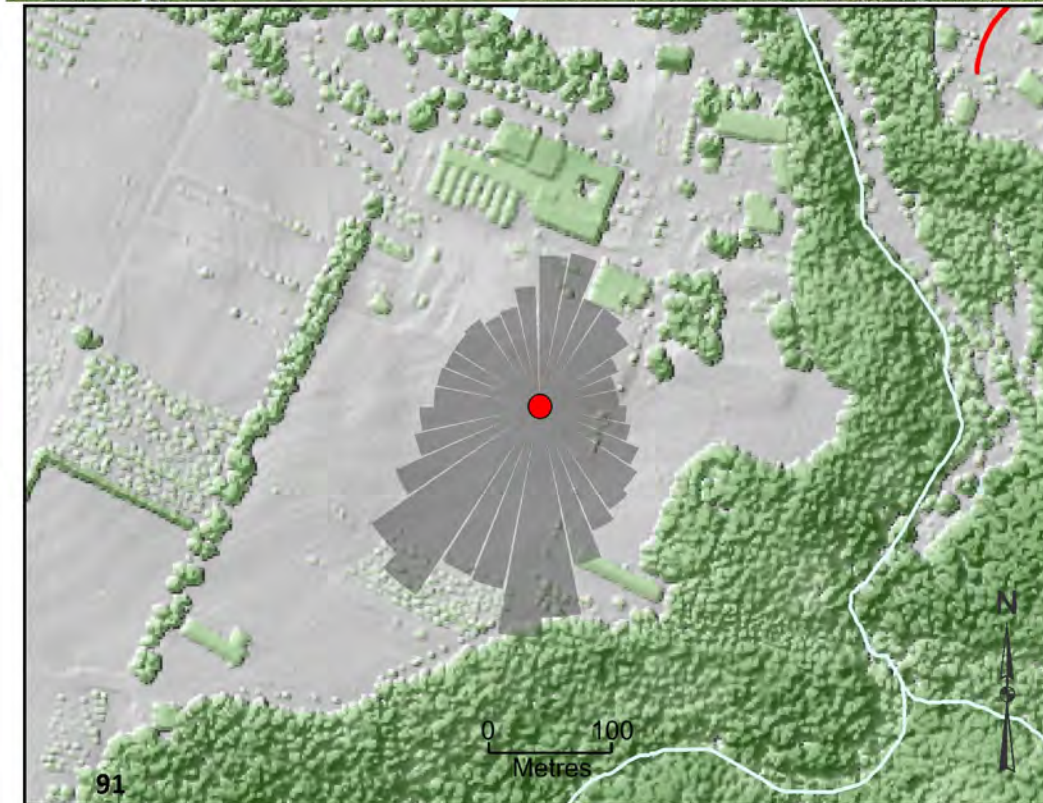
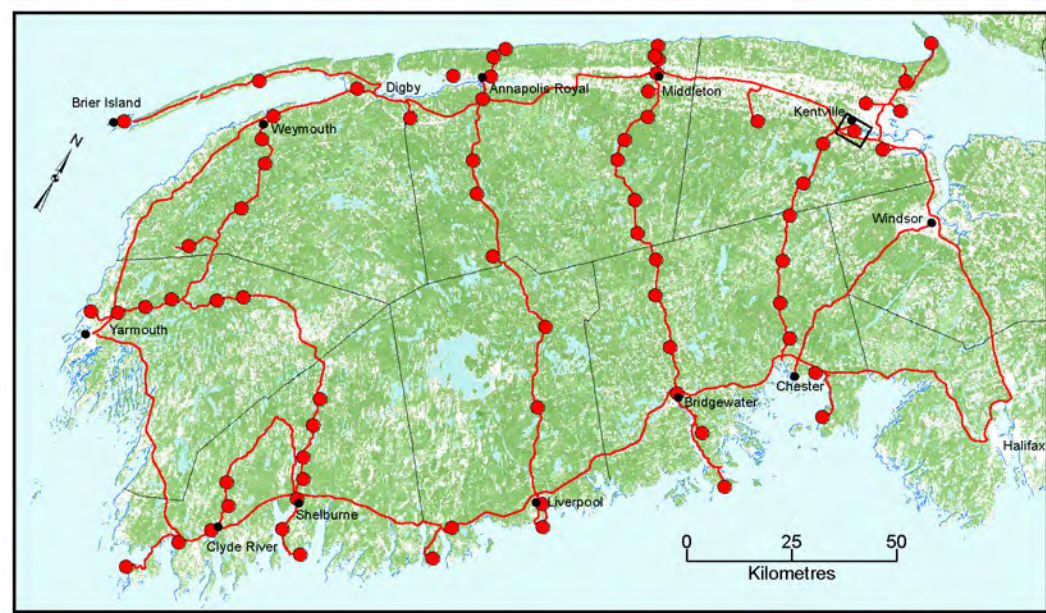
Deployed: 7/13/2011

Easting: 383641.679

Northing: 4991492.489

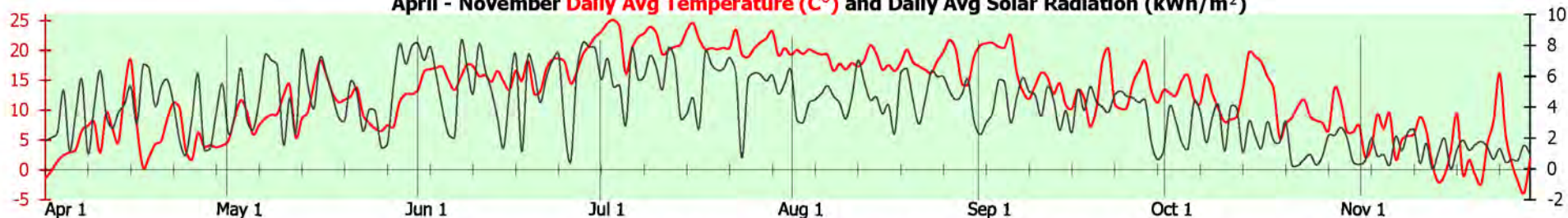
Height (m): 49.65

[UTM Zone 20, NAD 83]

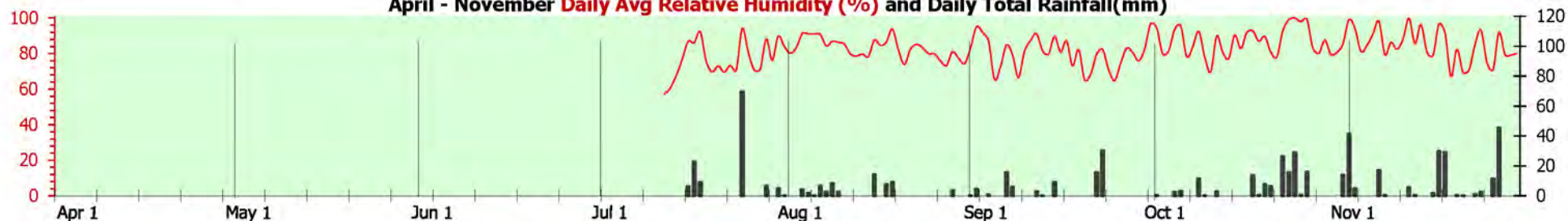


2014 Weather Data for Station KE3

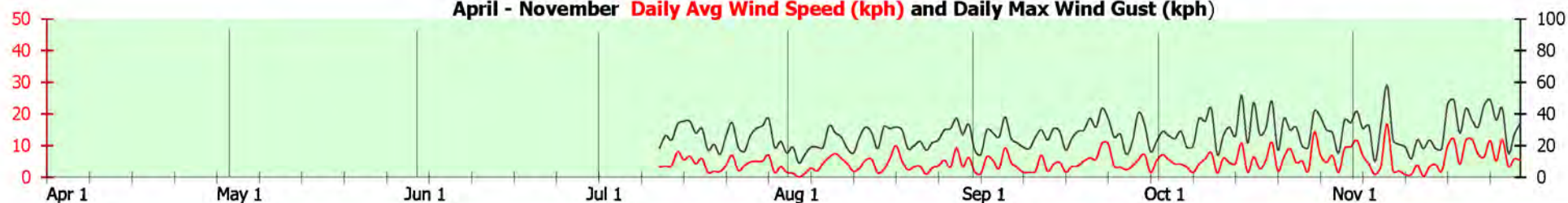
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

July 13, 2011

RH, Rain and Wind Sensors

July 11, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 09, 2014 01:25

Frost Free Duration:

163.8 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	8 [0]	0 [0]	-21.42	13.16	-4.07	-3.60	37.7	1.21	1.08			
February	0 [0]	0 [0]	-18.97	12.07	-4.33	-3.78	61.9	2.21	2.17			
March	1 [0]	0 [0]	-22.02	12.97	-3.41	-2.70	100.5	3.24	3.17			
April	59 [0]	14 [0]	-4.65	23.40	5.44	5.02	112.7	3.76	3.92			
May	173 [20]	52 [5]	-0.73	25.79	10.29	9.62	146.5	4.73	4.97			
June	342 [342]	192 [192]	2.56	29.46	16.40	15.56	167.2	5.57	5.80			
July	517 [517]	362 [362]	10.20	31.10	21.48	19.29	177.7	5.73	5.45	119.4	4.3	37.2
August	427 [427]	272 [272]	5.28	29.04	18.30	17.43	147.3	4.75	5.04	61.8	4.0	37.2
September	304 [304]	157 [157]	1.45	29.02	14.99	14.48	123.2	4.11	4.26	85.6	4.4	43.5
October	205 [205]	74 [74]	0.33	24.73	11.75	11.68	68.5	2.21	2.17	136.6	5.4	51.7
November	37 [12]	5 [0]	-7.84	19.34	3.98	4.34	35.4	1.18	1.21	205.8	6.3	58.0
December	22 [0]	4 [0]	-12.20	17.80	0.99	1.49	29.3	0.94	1.03	160.8	7.1	66.2
Totals, Averages or Extremes	2095 [1827]	1132 [1062]	-22.02	31.10	7.65	7.40	1207.9	39.65	40.26	770.0	5.2	66.2

Southwest NS Weather Study

Station Description

Station ID: KE4 (O)

Location: South Alton

County: Kings

Contact: D. & D. Niema

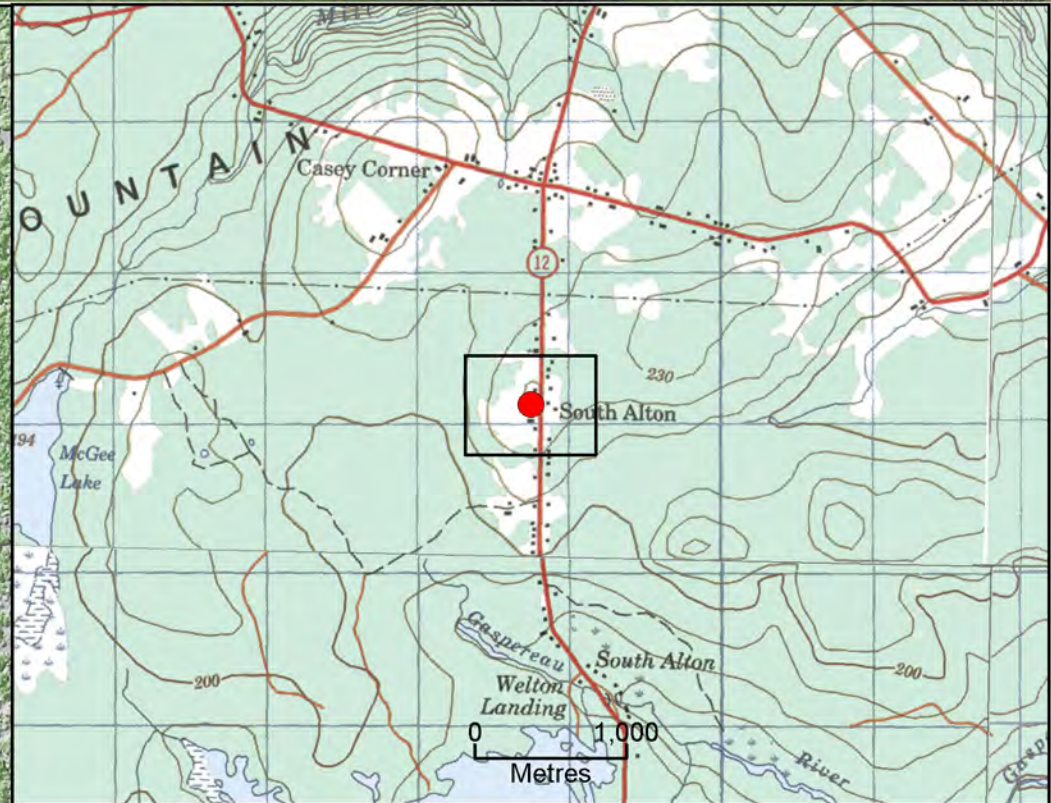
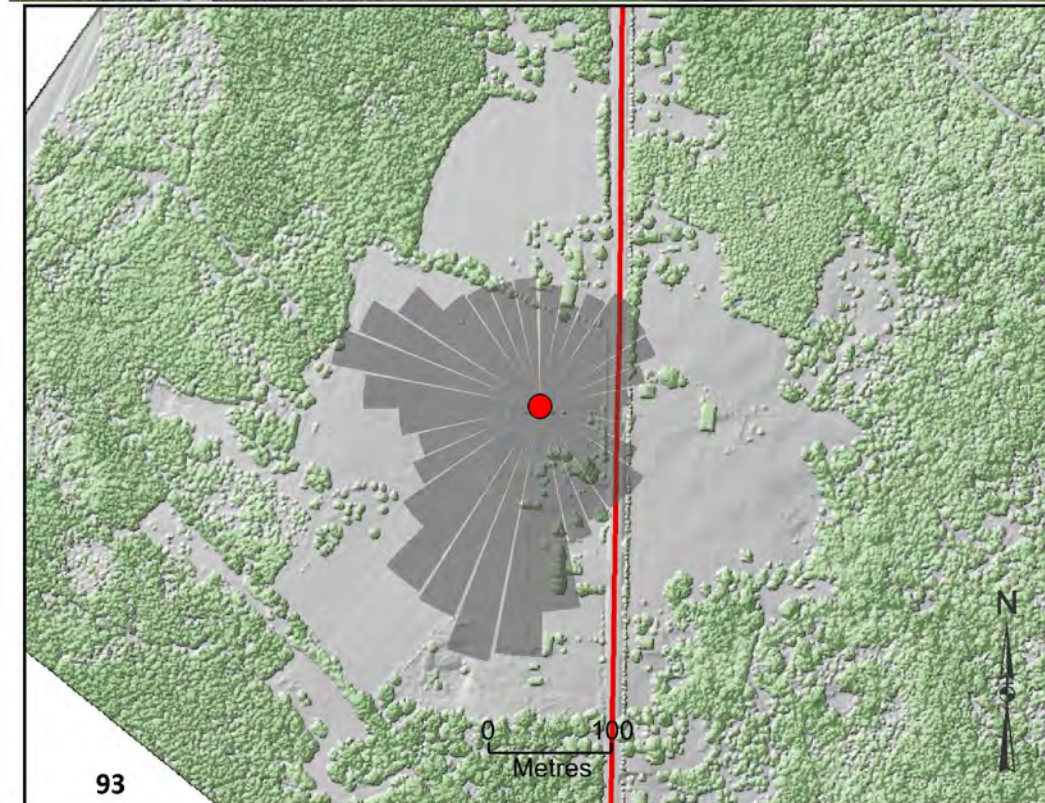
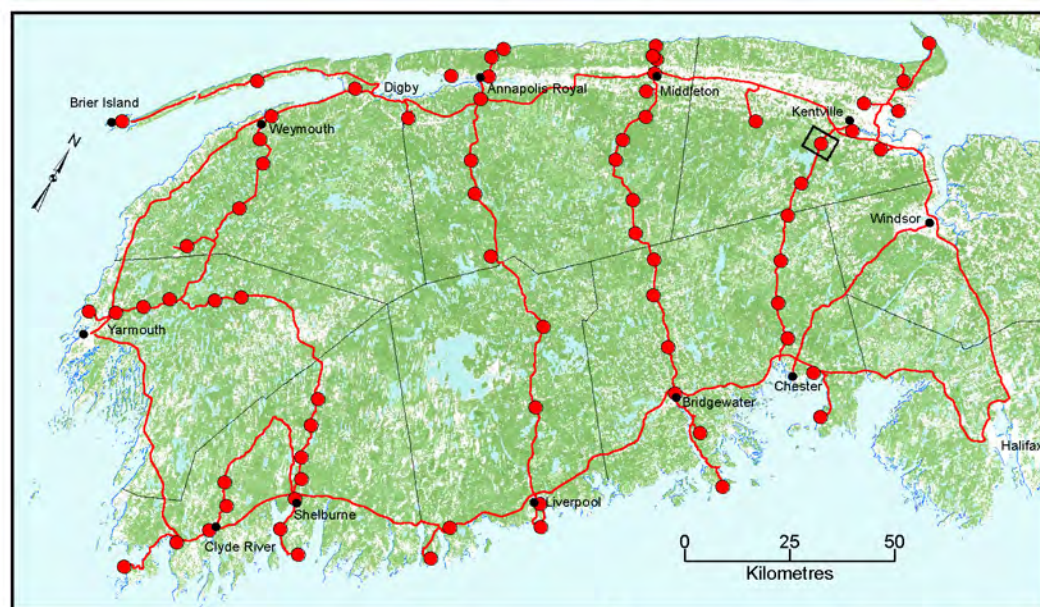
Deployed: 7/13/2011

Easting: 378757.66

Northing: 4985118.88

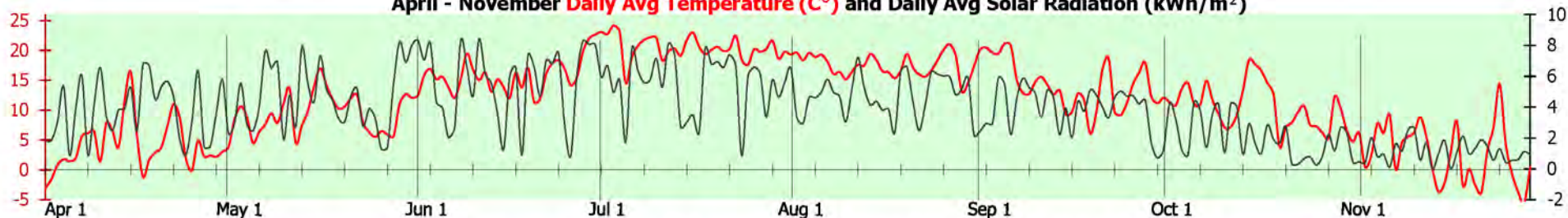
Height (m): 229.09

[UTM Zone 20, NAD 83]

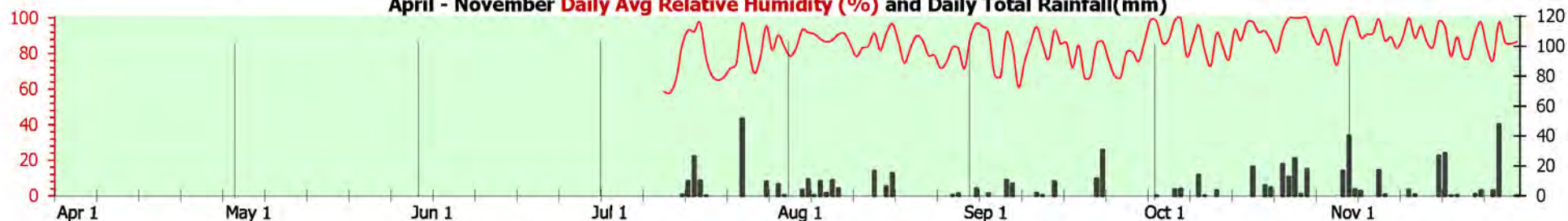


2014 Weather Data for Station KE4

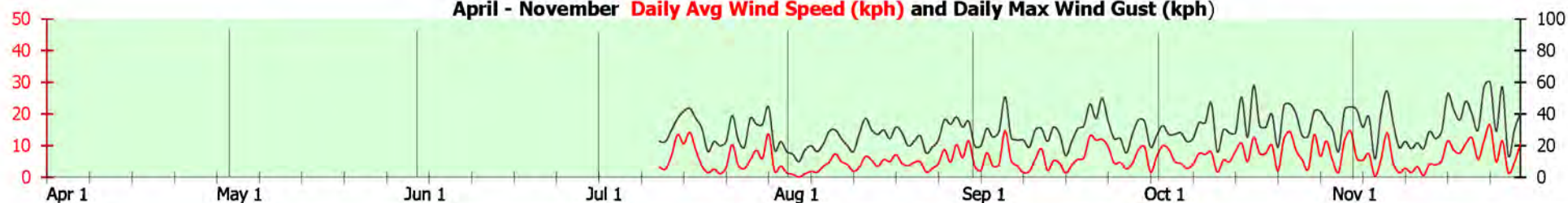
April - November Daily Avg Temperature (C°) and Daily Avg Solar Radiation (kWh/m²)



April - November Daily Avg Relative Humidity (%) and Daily Total Rainfall(mm)



April - November Daily Avg Wind Speed (kph) and Daily Max Wind Gust (kph)



Station Deployment:

July 13, 2011

RH, Rain and Wind Sensors

July 11, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 15, 2014 01:05

Frost Free Duration:

172.9 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	4 [0]	0 [0]	-22.02	11.78	-5.37	-3.60	37.4	1.21	1.08			
February	0 [0]	0 [0]	-18.65	9.09	-5.48	-3.78	62.7	2.24	2.17			
March	0 [0]	0 [0]	-20.79	8.59	-4.35	-2.70	82.7	3.18	3.17			
April	45 [0]	11 [0]	-5.92	21.41	4.14	5.02	114.8	3.83	3.92			
May	154 [25]	43 [7]	-0.17	25.19	9.37	9.62	143.7	4.64	4.97			
June	329 [329]	179 [179]	3.62	29.29	15.76	15.56	169.5	5.65	5.80			
July	493 [493]	338 [338]	8.82	29.62	20.49	19.29	173.0	5.58	5.45	116.6	6.1	44.4
August	405 [405]	250 [250]	7.07	29.04	17.53	17.43	149.0	4.81	5.04	82.2	4.5	38.1
September	291 [291]	147 [147]	2.32	28.79	14.33	14.48	120.8	4.03	4.26	79.2	5.8	50.8
October	182 [182]	59 [59]	1.24	22.82	10.70	11.68	66.4	2.14	2.17	136.4	7.2	58.0
November	28 [12]	3 [0]	-8.90	17.58	2.82	4.34	34.4	1.15	1.21	198.8	7.0	59.8
December	16 [0]	1 [0]	-14.16	15.89	-0.23	1.49	29.6	0.96	1.03	170.8	7.1	58.9
Totals, Averages or Extremes	1947 [1737]	1031 [980]	-22.02	29.62	6.64	7.40	1184.0	39.39	40.26	784.0	6.3	59.8

Southwest NS Weather Study

Station Description

Station ID: KE5 (O)

Location: South Forest Home

County: Kings

Contact: Kirk Keddy

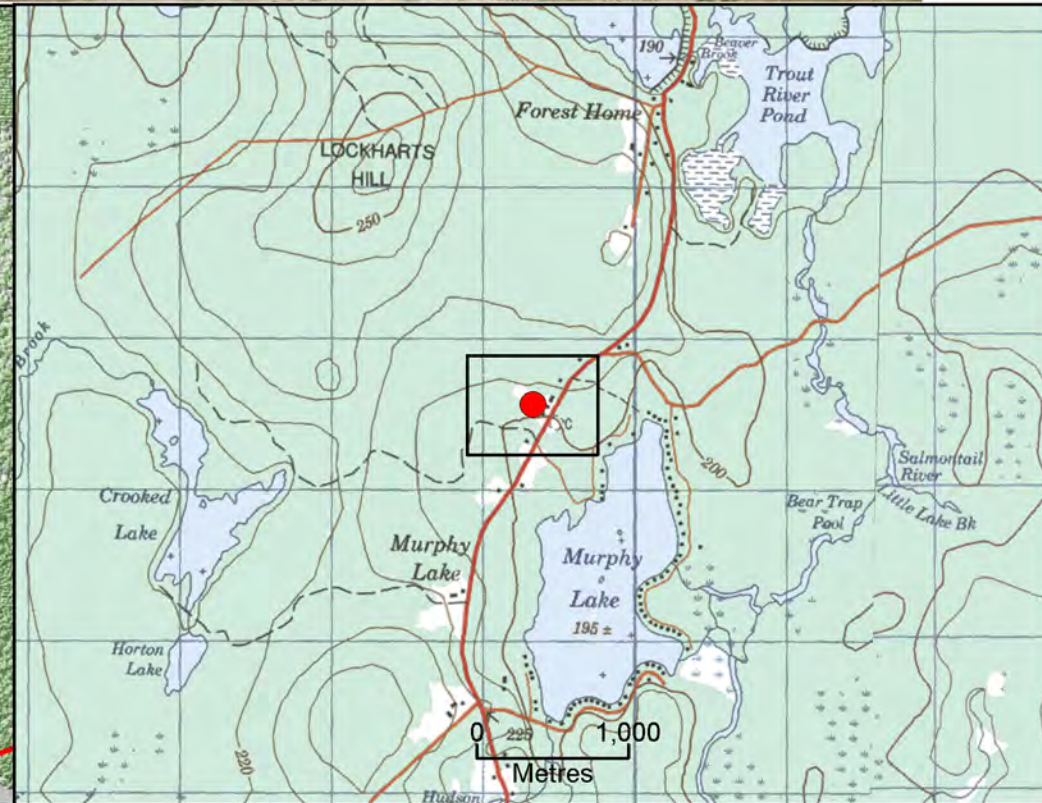
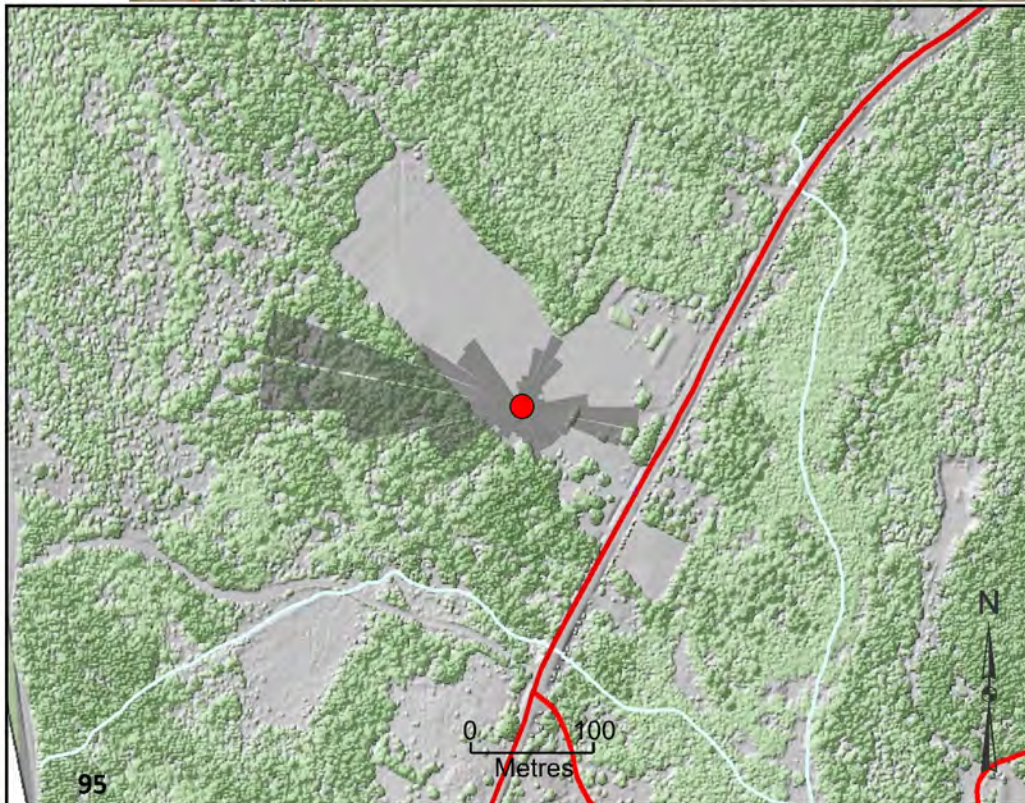
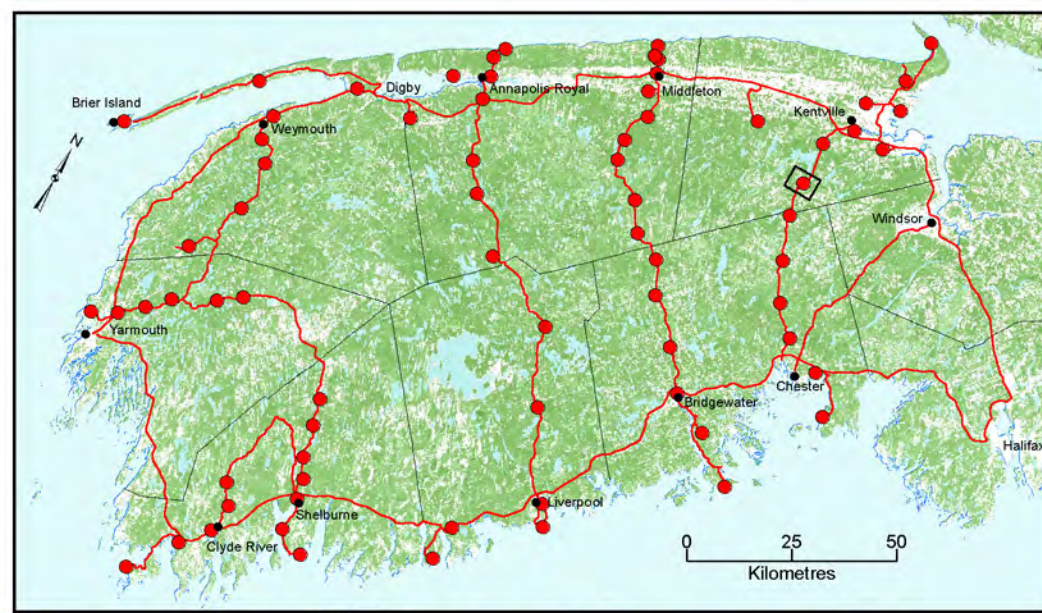
Deployed: 7/13/2011

Easting: 379341.272

Northing: 4974538.597

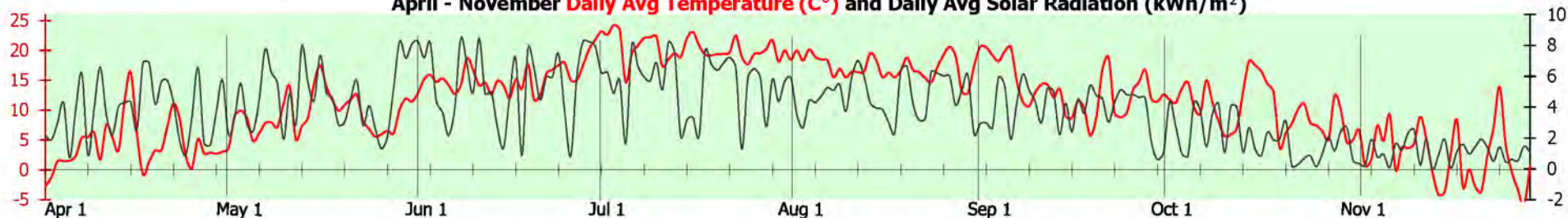
Height (m): 211.48

[UTM Zone 20, NAD 83]

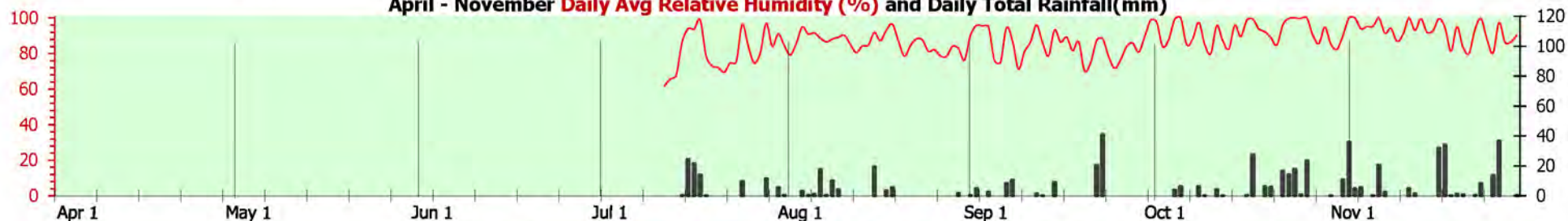


2014 Weather Data for Station KE5

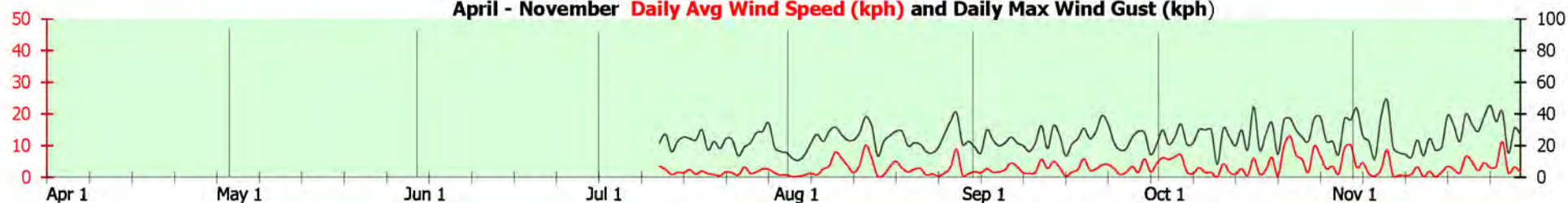
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

July 13, 2011

RH, Rain and Wind Sensors

July 11, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

October 31, 2014 07:35

Frost Free Duration:

153.1 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	2 [0]	0 [0]	-22.47	11.15	-5.43	-3.60	36.3	1.17	1.08			
February	0 [0]	0 [0]	-25.10	10.30	-5.75	-3.78	60.7	2.17	2.17			
March	0 [0]	0 [0]	-26.25	10.44	-4.28	-2.70	96.3	3.11	3.17			
April	39 [0]	10 [0]	-5.92	21.87	4.18	5.02	114.2	3.81	3.92			
May	143 [6]	39 [1]	-2.39	26.40	9.26	9.62	144.3	4.66	4.97			
June	307 [307]	157 [157]	2.85	30.24	15.39	15.56	167.5	5.58	5.80			
July	483 [483]	328 [328]	9.06	31.05	20.34	19.29	171.1	5.52	5.45	88.0	1.7	34.4
August	386 [386]	231 [231]	2.40	29.77	17.19	17.43	148.5	4.79	5.04	68.0	2.8	40.8
September	263 [263]	122 [122]	-1.50	29.24	13.63	14.48	121.8	4.06	4.26	98.8	2.7	39.0
October	167 [167]	54 [54]	-2.16	23.79	10.39	11.68	65.0	2.10	2.17	134.8	4.1	44.4
November	24 [0]	3 [0]	-10.44	18.53	2.47	4.34	33.9	1.13	1.21	215.2	3.3	49.0
December	13 [0]	0 [0]	-17.13	16.06	-0.23	1.49	28.0	0.90	1.03	211.2	4.1	49.0
Totals, Averages or Extremes	1827 [1612]	944 [893]	-26.25	31.05	6.43	7.40	1187.7	38.99	40.26	816.0	3.1	49.0

Southwest NS Weather Study

Station Description

Station ID: LI1 (O)

Location: East Port L'Hebert

County: Queens

Contact: Dirk Van Loon

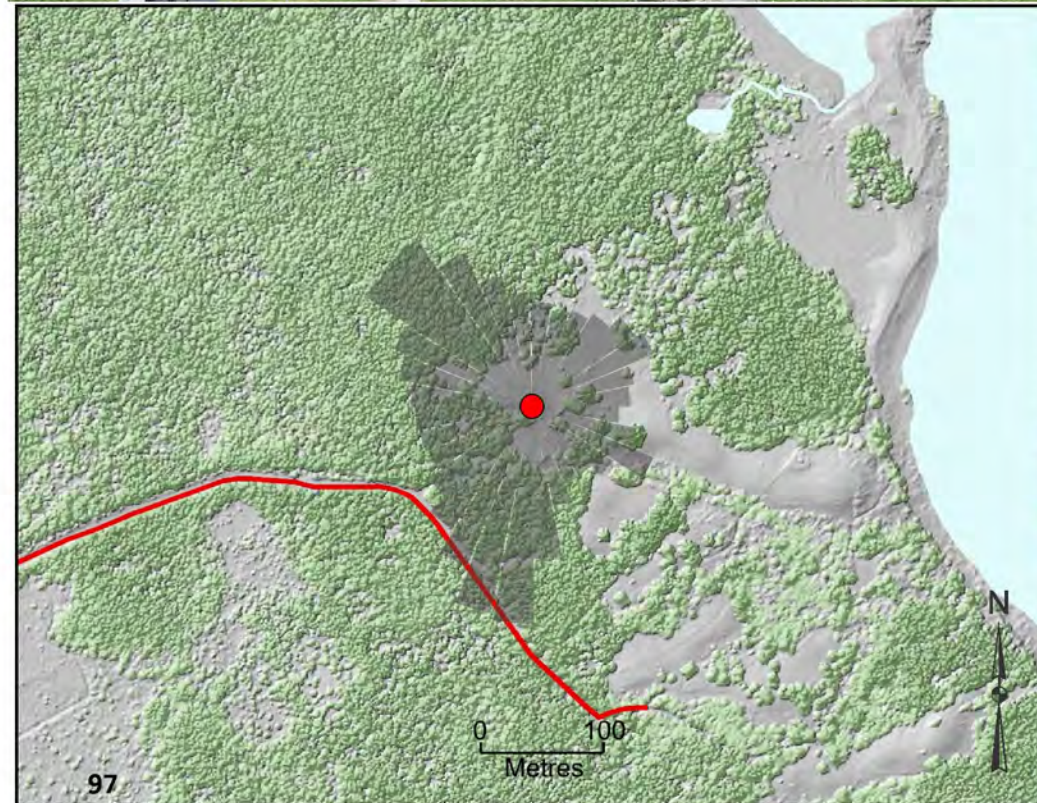
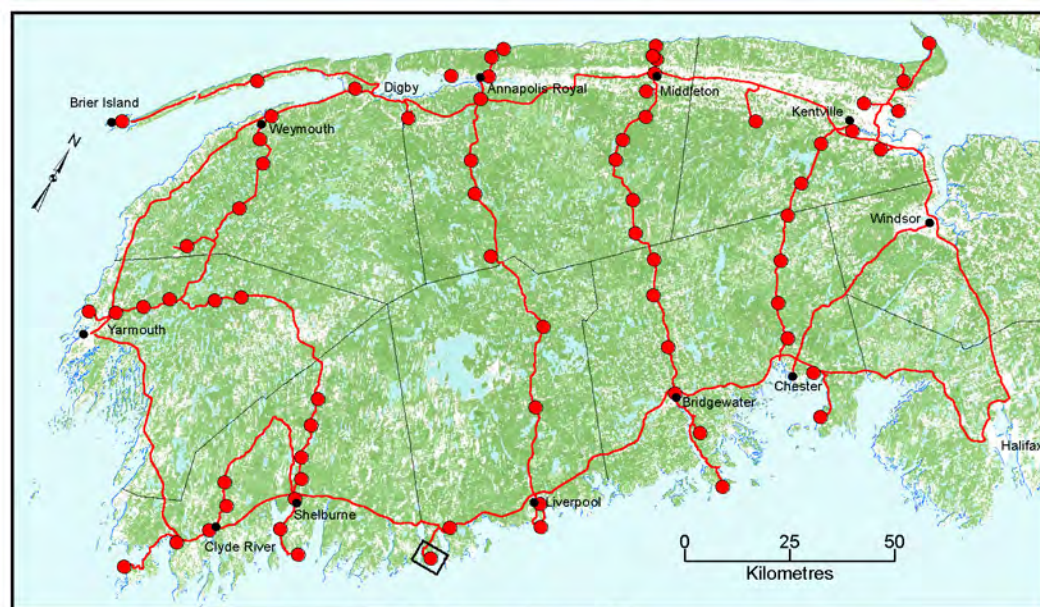
Deployed: 5/12/2011

Easting: 347516.063

Northing: 4853123.558

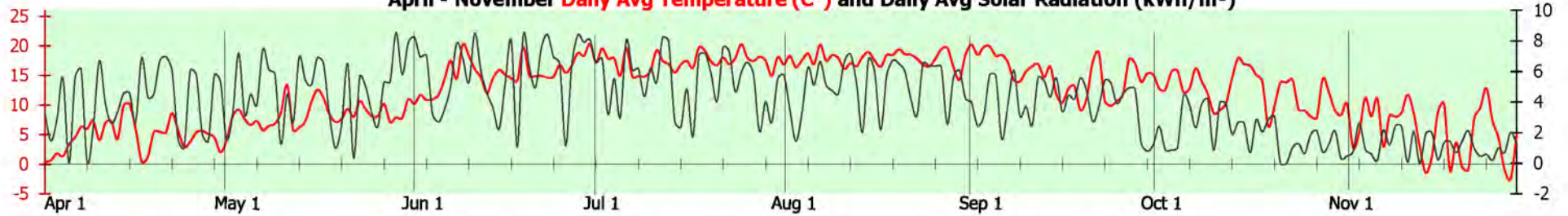
Height (m): 25.64

[UTM Zone 20, NAD 83]

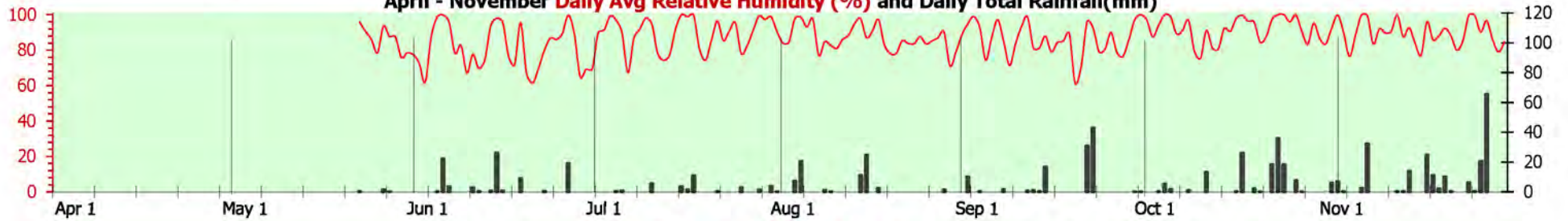


2014 Weather Data for Station LI1

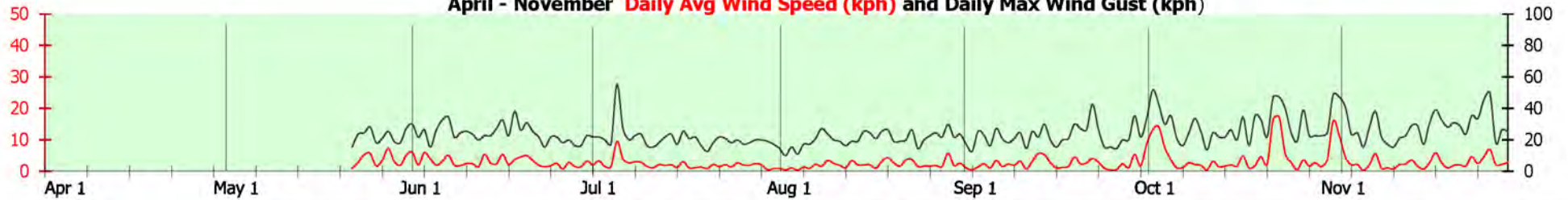
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall (mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 12, 2011

RH, Rain and Wind Sensors

May 22, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 15, 2014 04:05

Frost Free Duration:

198.9 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	3 [0]	0 [0]	-18.39	10.49	-2.50	-3.60	35.7	1.15	1.08			
February	1 [0]	0 [0]	-16.70	10.59	-2.36	-3.78	61.1	2.18	2.17			
March	2 [0]	0 [0]	-16.08	11.47	-1.25	-2.70	98.2	3.17	3.17			
April	37 [0]	2 [0]	-2.25	17.34	4.74	5.02	122.1	4.07	3.92			
May	120 [120]	16 [16]	0.44	22.42	8.34	9.62	146.0	4.71	4.97	2.4	3.7	28.1
June	320 [320]	170 [170]	5.39	30.98	15.27	15.56	178.5	5.95	5.80	86.6	3.0	38.1
July	400 [400]	245 [245]	9.34	27.85	17.34	19.29	166.7	5.38	5.45	31.8	2.2	55.3
August	411 [411]	256 [256]	6.38	27.90	17.75	17.43	160.1	5.17	5.04	69.2	2.1	29.9
September	310 [310]	161 [161]	2.13	27.28	15.08	14.48	123.7	4.12	4.26	105.6	2.3	42.6
October	233 [233]	90 [90]	2.53	24.56	12.59	11.68	65.2	2.10	2.17	131.8	4.4	51.7
November	65 [38]	5 [2]	-6.04	16.20	5.74	4.34	36.9	1.23	1.21	205.2	3.4	49.9
December	21 [0]	0 [0]	-14.51	13.74	2.59	1.49	31.9	1.03	1.03	203.4	4.6	51.7
Totals, Averages or Extremes	1923 [1832]	945 [940]	-18.39	30.98	7.78	7.40	1226.2	40.26	40.26	836.0	3.2	55.3

Southwest NS Weather Study

Station Description

Station ID: LI2 (O)

Location: Robertson Loop

County: Queens

Contact: C. & D. Robertson

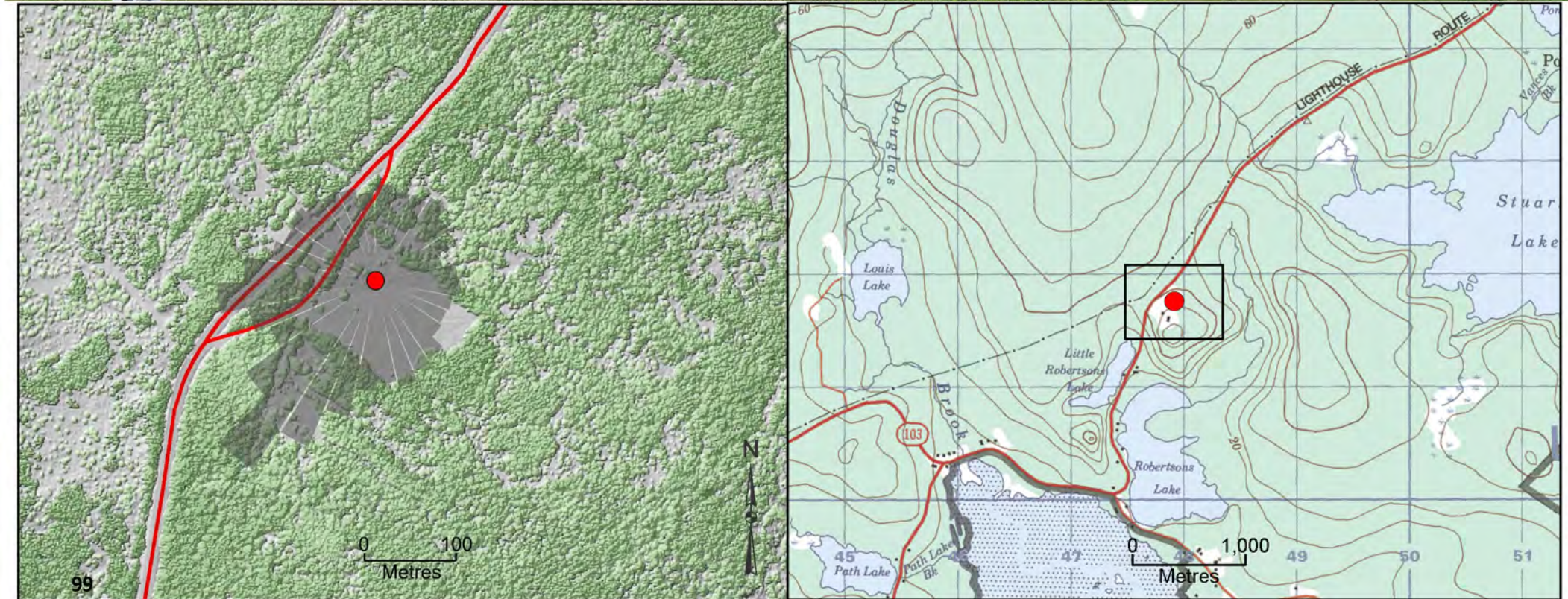
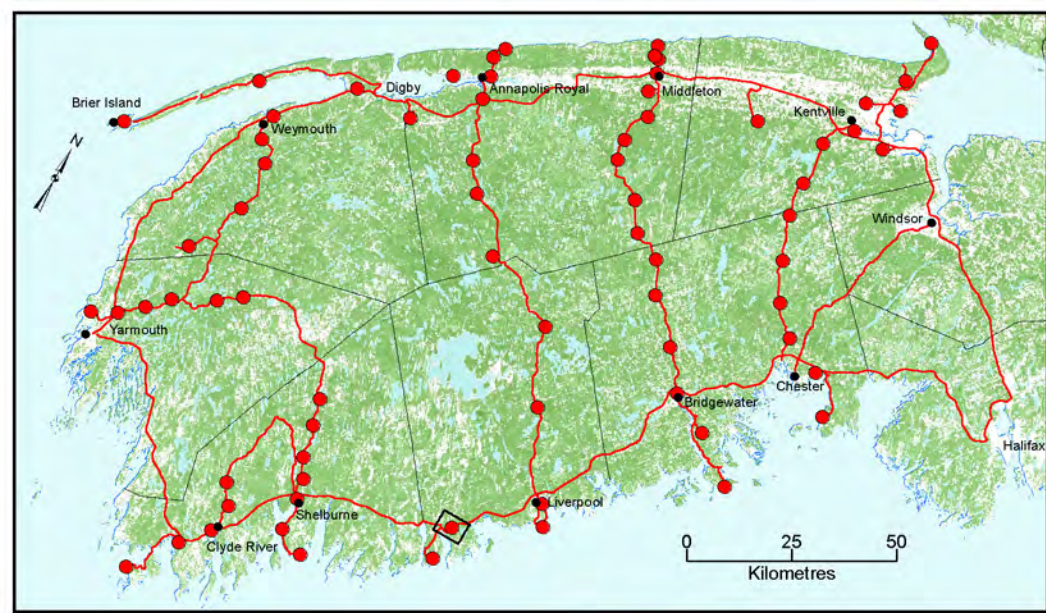
Deployed: 5/12/2011

Easting: 347904.798

Northing: 4861753.32

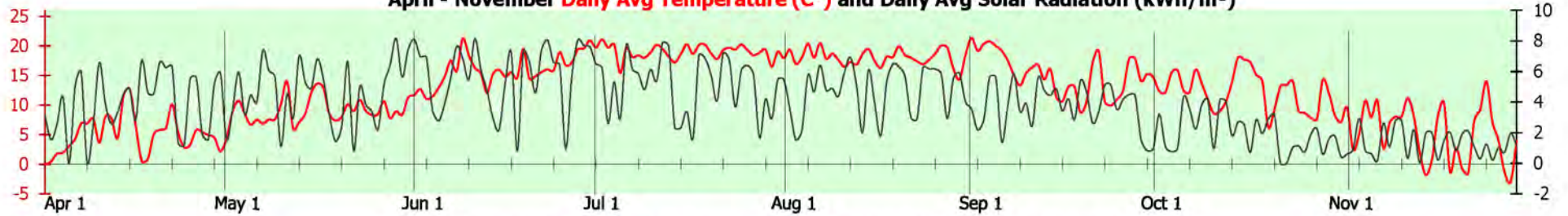
Height (m): 60.83

[UTM Zone 20, NAD 83]

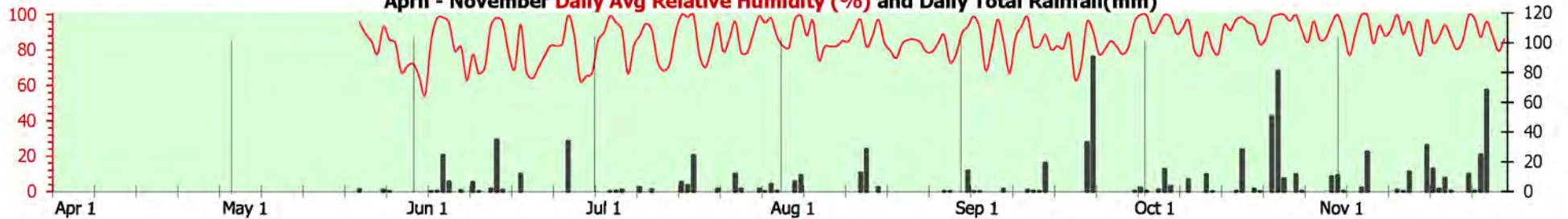


2014 Weather Data for Station LI2

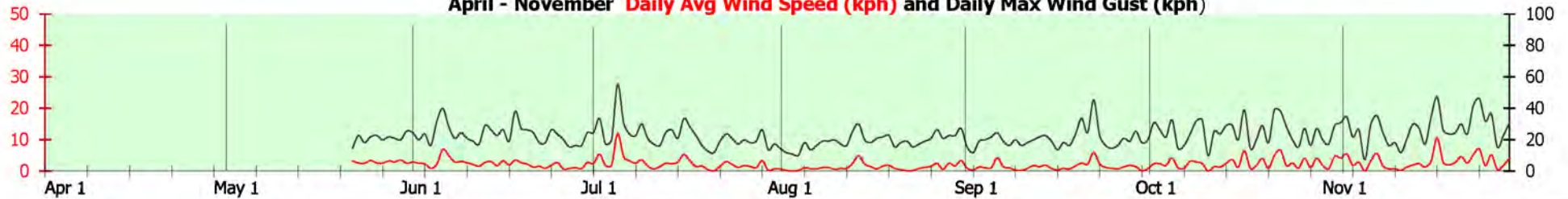
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 12, 2011

RH, Rain and Wind Sensors

May 22, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 15, 2014 03:25

Frost Free Duration:

198.8 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	5 [0]	0 [0]	-18.08	11.05	-2.81	-3.60	37.3	1.20	1.08			
February	0 [0]	0 [0]	-17.21	10.08	-2.63	-3.78	65.4	2.34	2.17			
March	3 [0]	0 [0]	-15.83	12.46	-1.49	-2.70	96.9	3.13	3.17			
April	44 [0]	7 [0]	-3.09	20.79	5.02	5.02	118.8	3.96	3.92			
May	147 [147]	26 [26]	0.63	21.27	9.04	9.62	143.0	4.61	4.97	2.8	2.9	25.4
June	340 [340]	190 [190]	4.79	30.37	15.88	15.56	173.7	5.79	5.80	122.4	2.4	39.9
July	451 [451]	296 [296]	11.42	27.51	18.99	19.29	160.2	5.17	5.45	64.2	2.5	55.3
August	424 [424]	269 [269]	7.42	28.32	18.06	17.43	149.3	4.81	5.04	62.0	1.3	29.9
September	318 [318]	169 [169]	2.61	28.05	15.27	14.48	117.4	3.91	4.26	163.4	1.4	45.3
October	227 [227]	86 [86]	1.53	24.65	12.39	11.68	65.0	2.10	2.17	223.4	2.4	39.0
November	64 [36]	5 [1]	-6.58	17.08	5.31	4.34	40.4	1.35	1.21	228.0	3.1	47.1
December	23 [0]	1 [0]	-13.70	15.34	2.27	1.49	33.2	1.07	1.03	236.2	3.3	48.0
Totals, Averages or Extremes	2046 [1943]	1049 [1037]	-18.08	30.37	7.94	7.40	1200.6	39.44	40.26	1102.4	2.4	55.3

Southwest NS Weather Study

Station Description

Station ID: LI3 (O)

Location: Strawberry Point

County: Queens

Contact: Betty Richardson

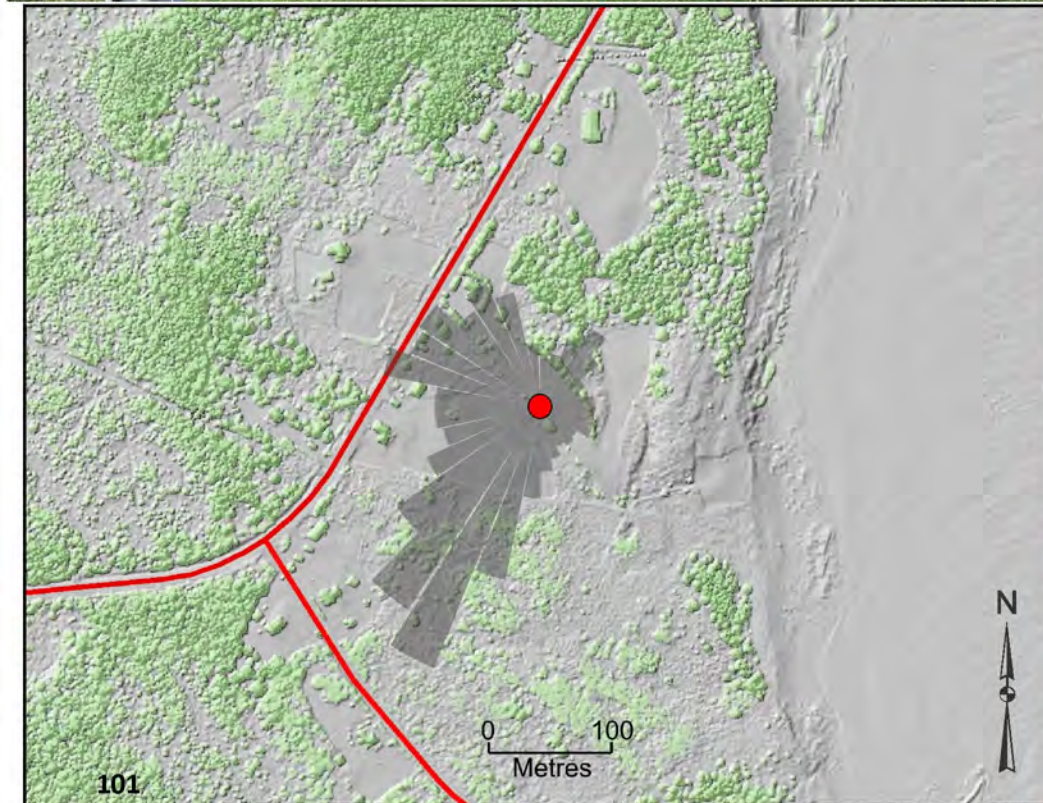
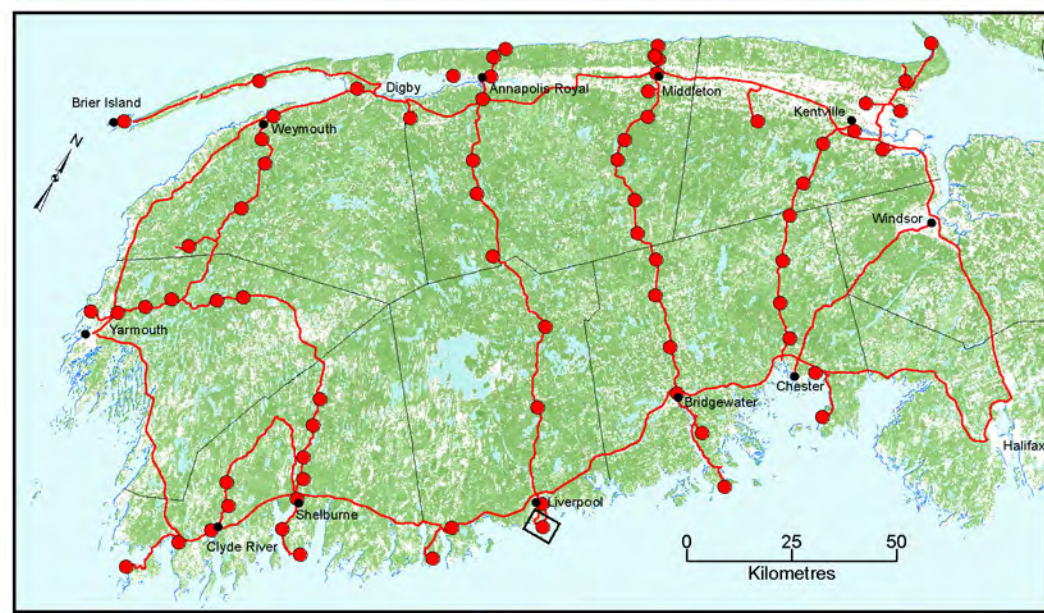
Deployed: 5/4/2011

Easting: 366459.618

Northing: 4872666.091

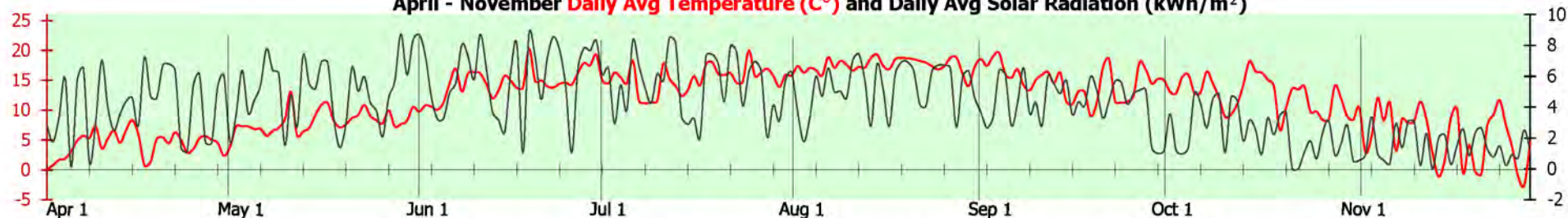
Height (m): 15.97

[UTM Zone 20, NAD 83]

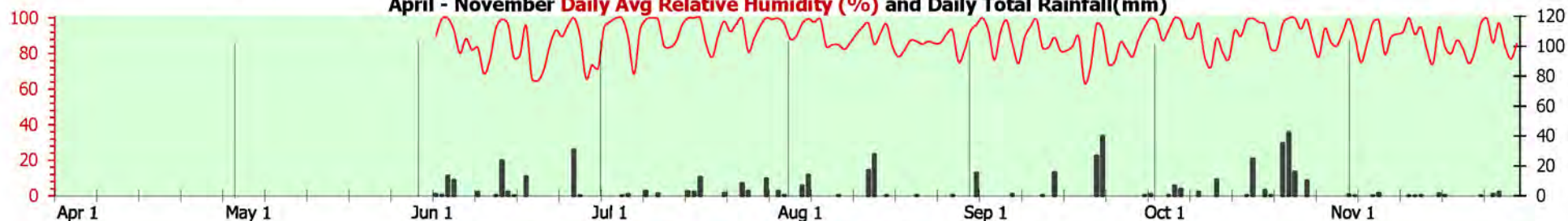


2014 Weather Data for Station LI3

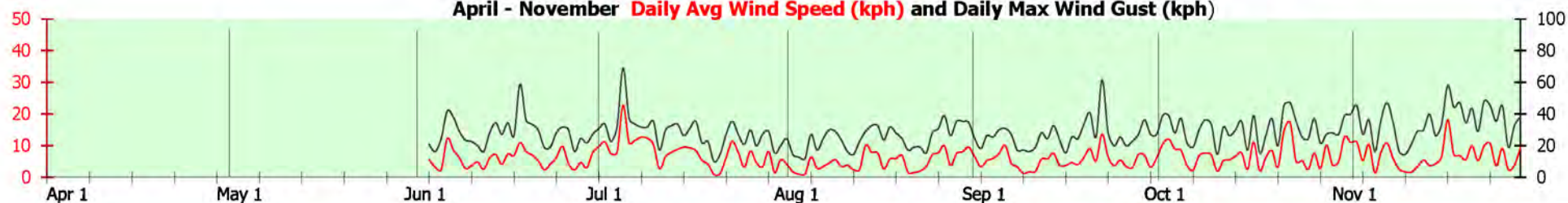
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall (mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 04, 2011

RH, Rain and Wind Sensors

June 3, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 15, 2014 04:25

Frost Free Duration:

198.9 days

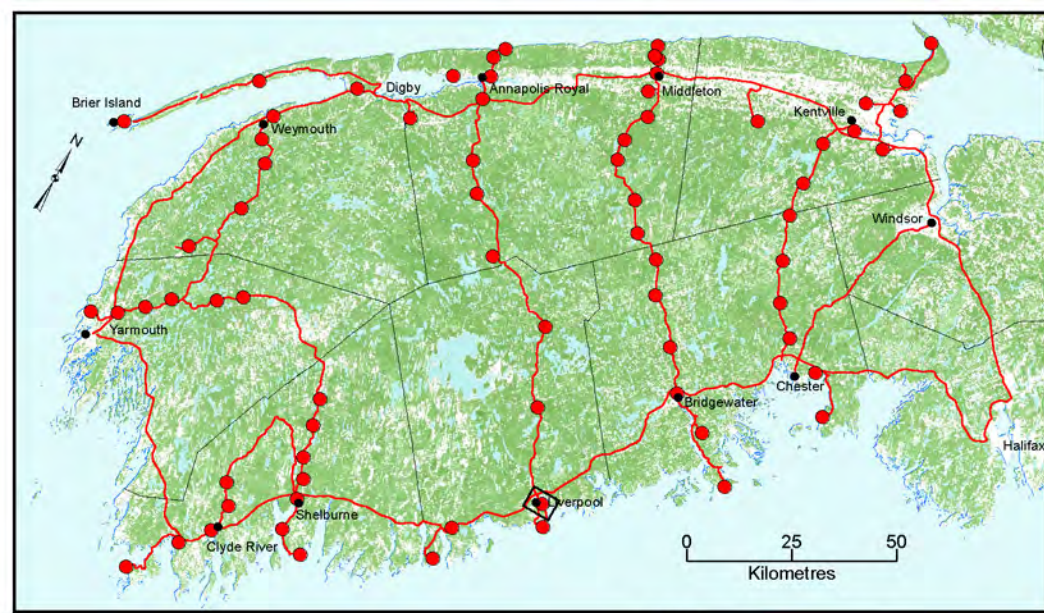
2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	3 [0]	0 [0]	-18.03	10.22	-2.50	-3.60	44.4	1.43	1.08			
February	2 [0]	0 [0]	-16.62	10.91	-2.46	-3.78	74.7	2.67	2.17			
March	1 [0]	0 [0]	-16.33	10.32	-1.43	-2.70	105.7	3.41	3.17			
April	26 [0]	0 [0]	-2.22	14.36	4.31	5.02	125.4	4.18	3.92			
May	112 [112]	13 [13]	0.22	22.20	8.10	9.62	156.6	5.05	4.97			
June	299 [299]	149 [149]	5.00	29.39	14.53	15.56	181.2	6.04	5.80	98.8	5.7	58.9
July	323 [323]	168 [168]	8.59	27.43	15.17	19.29	170.8	5.51	5.45	52.6	7.8	68.9
August	400 [400]	245 [245]	7.29	25.84	17.47	17.43	165.8	5.35	5.04	67.6	4.9	39.0
September	301 [301]	153 [153]	1.37	28.67	14.81	14.48	133.1	4.44	4.26	100.6	5.3	61.6
October	239 [239]	92 [92]	3.99	24.77	12.73	11.68	76.6	2.47	2.17	159.0	6.7	47.1
November	67 [42]	7 [5]	-5.64	16.30	5.76	4.34	45.4	1.51	1.21	9.8	6.9	58.0
December	20 [0]	0 [0]	-12.98	13.50	2.56	1.49	37.3	1.20	1.03	7.6	6.8	64.4
Totals, Averages or Extremes	1793 [1716]	827 [825]	-18.03	29.39	7.42	7.40	1316.7	43.25	40.26	496.0	6.3	68.9

Southwest NS Weather Study

Station Description

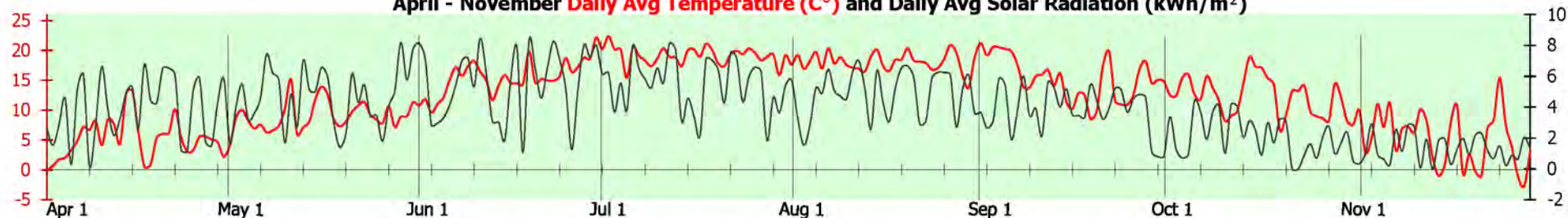
Station ID: LI4 (O)
Location: Liverpool
County: Queens
Contact: Larry Cochrane
Deployed: 5/12/2011

Easting: 363616.803
Northing: 4877340.694
Height (m): 30.73
[UTM Zone 20, NAD 83]

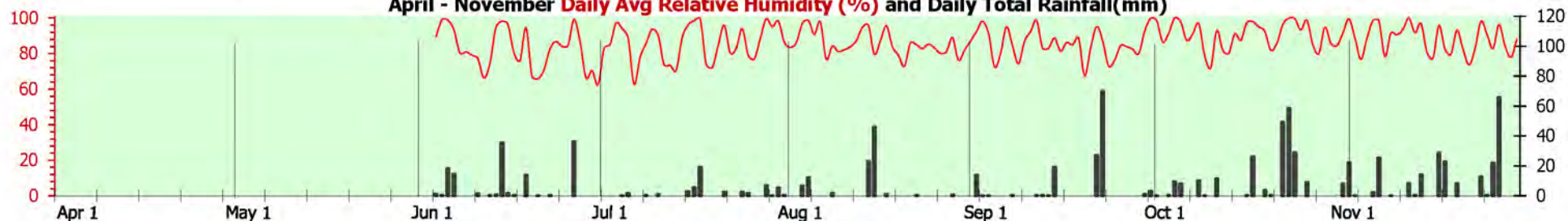


2014 Weather Data for Station LI4

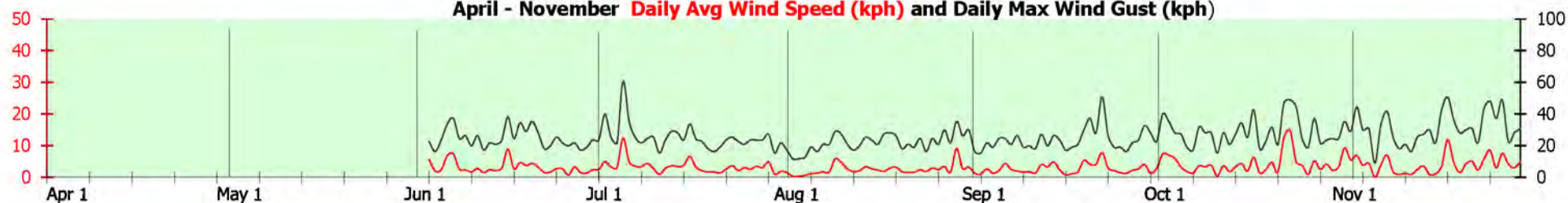
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 12, 2011

RH, Rain and Wind Sensors

June 3, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 15, 2014 05:30

Frost Free Duration:

198.9 days

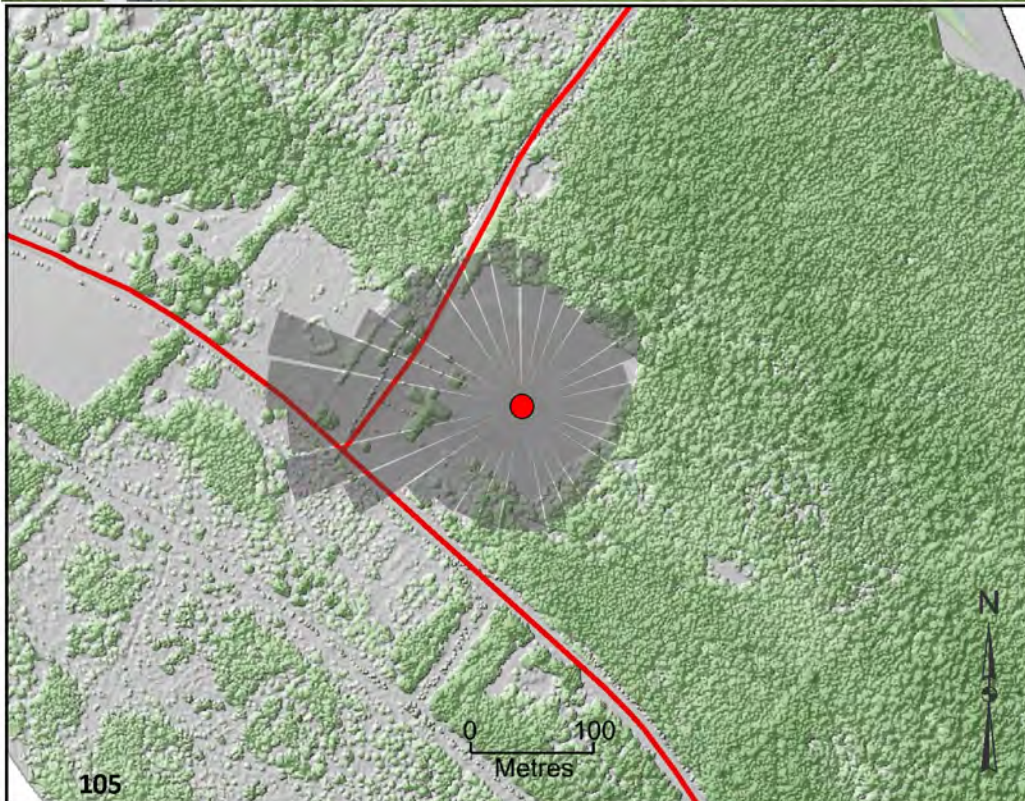
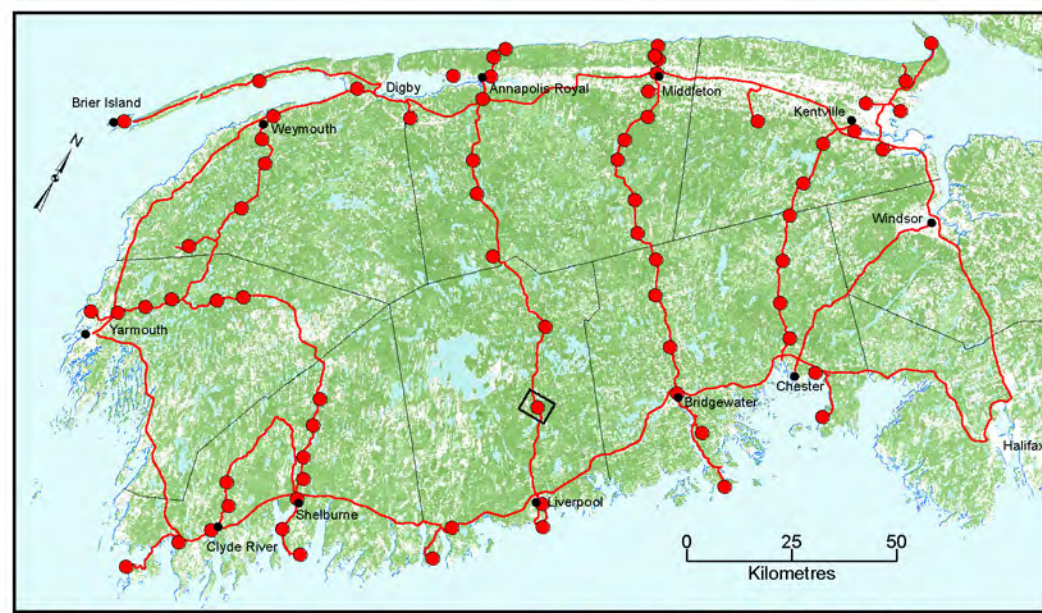
2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	6 [0]	0 [0]	-18.03	11.52	-2.82	-3.60	39.6	1.28	1.08			
February	3 [0]	0 [0]	-18.47	10.74	-2.79	-3.78	65.4	2.34	2.17			
March	1 [0]	0 [0]	-16.91	10.47	-1.48	-2.70	97.6	3.15	3.17			
April	49 [0]	8 [0]	-2.45	23.06	5.19	5.02	117.9	3.93	3.92			
May	142 [142]	26 [26]	0.55	21.75	9.01	9.62	144.5	4.66	4.97			
June	329 [329]	179 [179]	4.82	30.34	15.42	15.56	169.2	5.64	5.80	126.6	3.2	38.1
July	456 [456]	301 [301]	11.27	28.82	19.15	19.29	171.4	5.53	5.45	51.0	3.4	60.7
August	420 [420]	265 [265]	5.90	28.12	18.06	17.43	152.9	4.93	5.04	92.6	2.5	35.4
September	312 [312]	166 [166]	0.38	28.30	15.29	14.48	120.7	4.02	4.26	136.4	2.7	50.8
October	230 [230]	87 [87]	2.02	25.07	12.50	11.68	68.3	2.20	2.17	217.4	4.1	49.0
November	60 [32]	7 [2]	-6.87	18.70	5.34	4.34	40.3	1.34	1.21	242.8	4.2	50.8
December	22 [0]	2 [0]	-13.58	15.58	2.49	1.49	33.9	1.09	1.03	261.2	5.4	46.2
Totals, Averages or Extremes	2030 [1921]	1041 [1026]	-18.47	30.34	7.95	7.40	1221.7	40.12	40.26	1128.0	3.6	60.7

Southwest NS Weather Study

Station Description

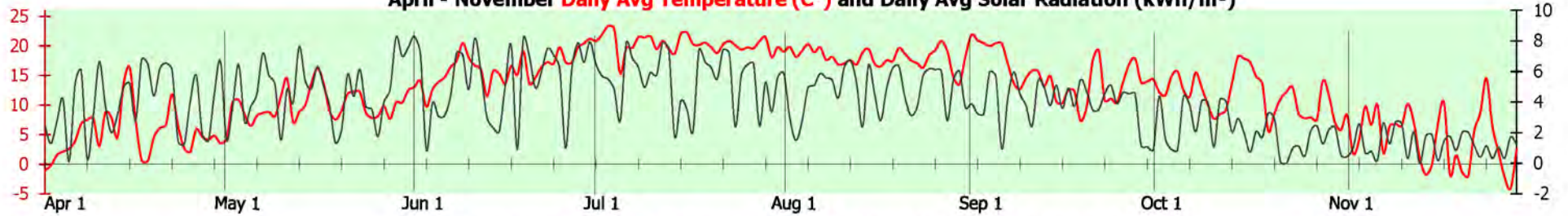
Station ID: LI5 (O)
Location: Middlefield
County: Queens
Contact: Hillsview Acres
Deployed: 5/4/2011

Easting: 351179.682
Northing: 4896795.535
Height (m): 113.83
[UTM Zone 20, NAD 83]

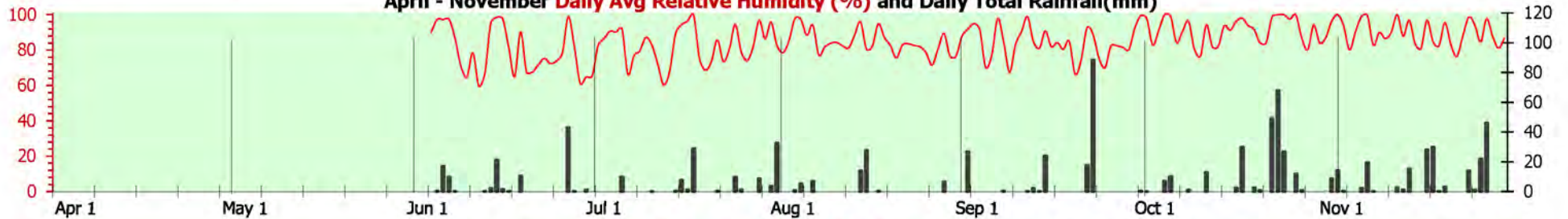


2014 Weather Data for Station LI5

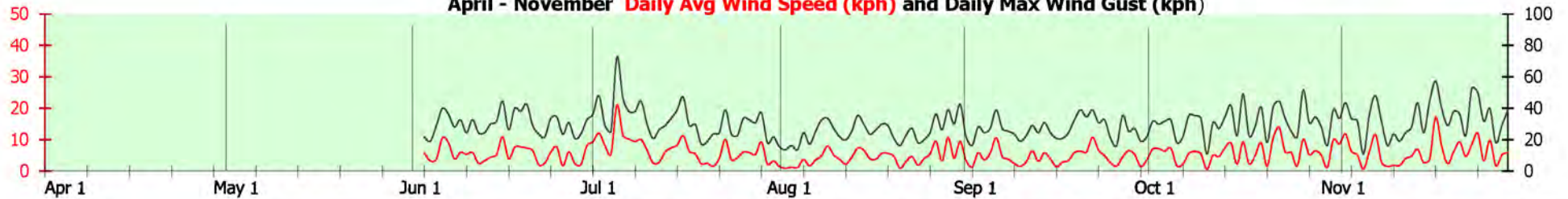
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall (mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:
May 04, 2011

RH, Rain and Wind Sensors
June 3, 2014

Frost Free Start:
May 29, 2014 06:10

Frost Free End:
November 15, 2014 03:25

Frost Free Duration:
198.8 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	8 [0]	0 [0]	-19.61	12.80	-3.72	-3.60	38.5	1.24	1.08			
February	1 [0]	0 [0]	-17.51	11.95	-3.78	-3.78	65.8	2.35	2.17			
March	2 [0]	0 [0]	-18.34	12.32	-2.53	-2.70	101.0	3.26	3.17			
April	57 [1]	12 [0]	-3.72	21.44	5.25	5.02	119.1	3.97	3.92			
May	170 [170]	40 [40]	0.47	23.45	9.92	9.62	145.6	4.70	4.97			
June	350 [350]	200 [200]	4.22	29.82	16.17	15.56	163.4	5.45	5.80	108.2	5.4	44.4
July	487 [487]	332 [332]	10.96	29.44	20.34	19.29	169.2	5.46	5.45	104.4	6.9	72.5
August	417 [417]	262 [262]	4.90	27.53	18.05	17.43	150.2	4.85	5.04	61.8	4.4	42.6
September	302 [302]	157 [157]	-0.37	28.44	14.99	14.48	123.2	4.11	4.26	160.6	4.5	39.0
October	213 [213]	76 [76]	1.21	24.17	11.85	11.68	68.6	2.21	2.17	223.6	5.6	51.7
November	47 [24]	4 [0]	-8.30	17.20	4.41	4.34	38.6	1.29	1.21	208.4	6.2	57.1
December	21 [0]	2 [0]	-15.63	16.39	1.46	1.49	33.5	1.08	1.03	246.4	6.8	106.1
Totals, Averages or Extremes	2075 [1964]	1085 [1067]	-19.61	29.82	7.70	7.40	1216.8	39.96	40.26	1113.4	5.7	106.1

Southwest NS Weather Study

Station Description

Station ID: LI6 (O)

Location: South Brookfield

County: Queens

Contact: Mel Waterman

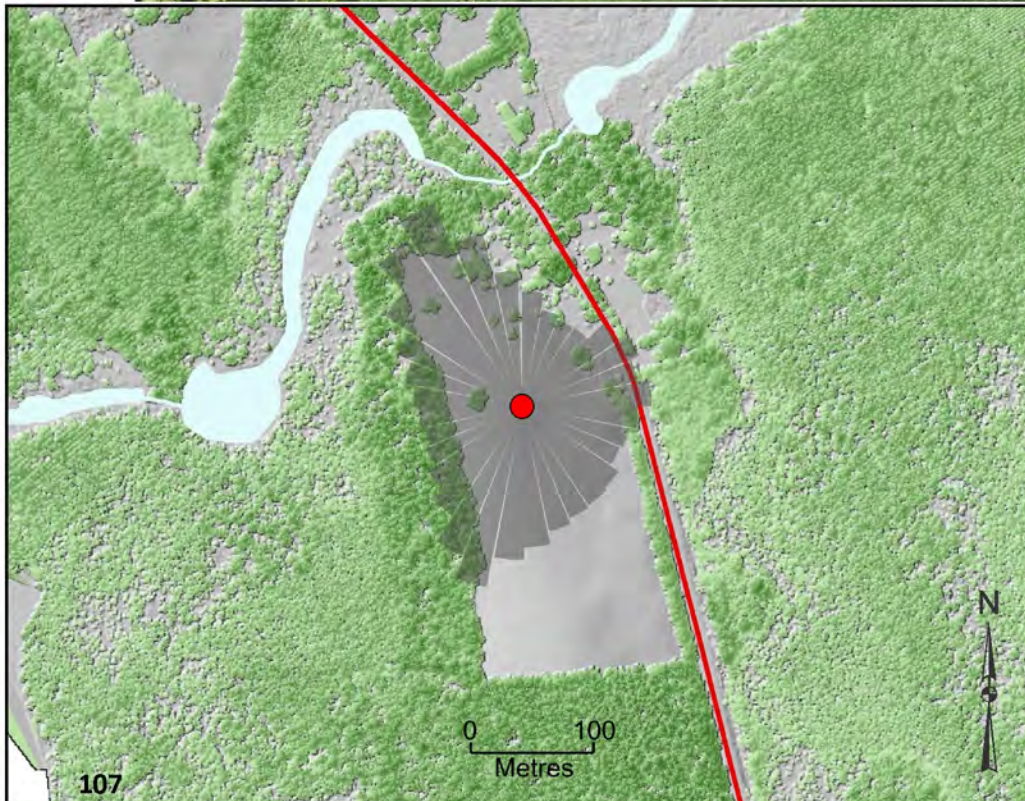
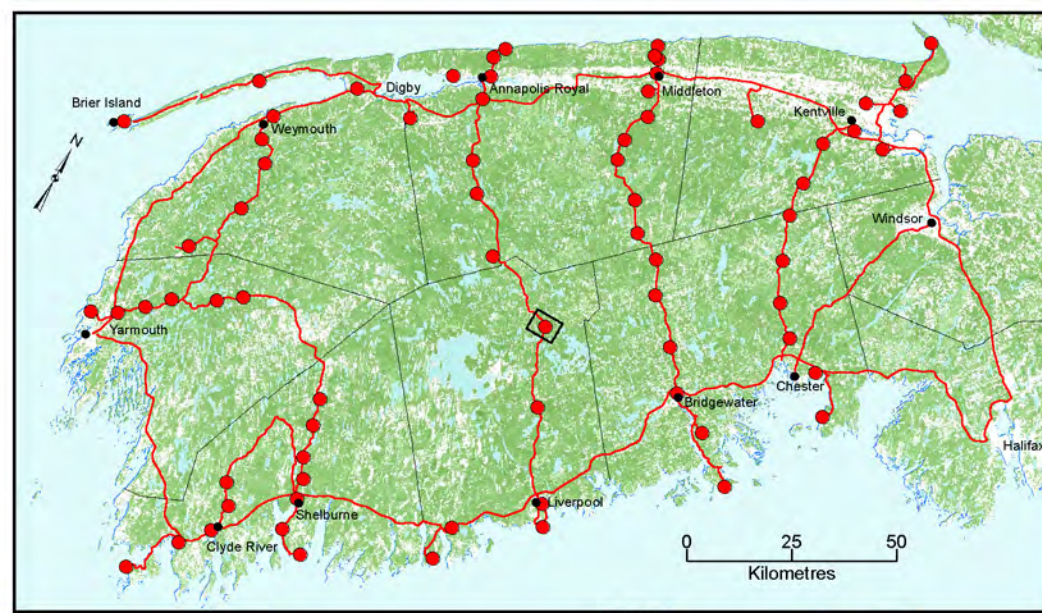
Deployed: 5/4/2011

Easting: 343189.814

Northing: 4914288.717

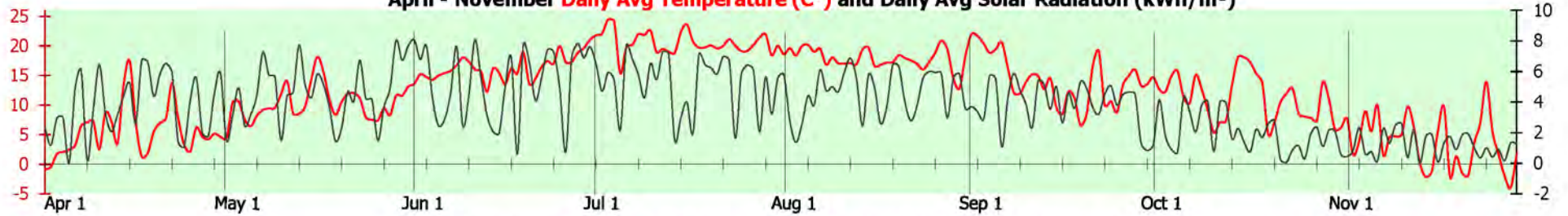
Height (m): 85.94

[UTM Zone 20, NAD 83]

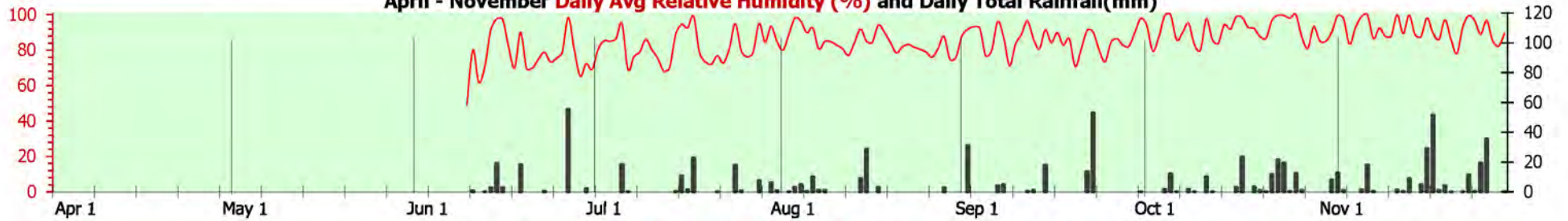


2014 Weather Data for Station LI6

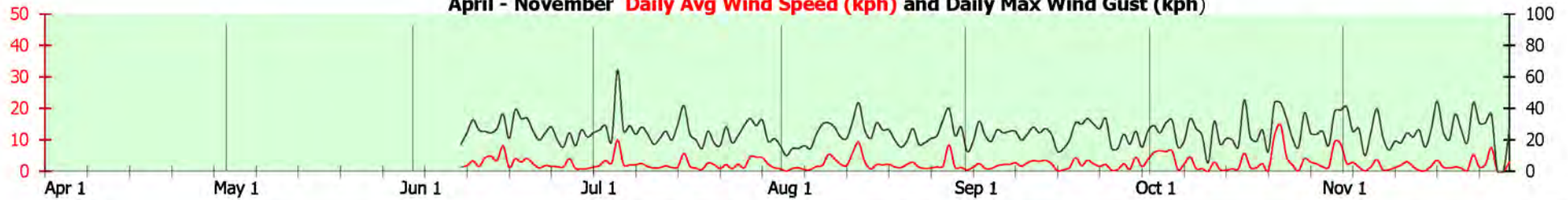
April - November Daily Avg Temperature (C°) and Daily Avg Solar Radiation (kWh/m²)



April - November Daily Avg Relative Humidity (%) and Daily Total Rainfall (mm)



April - November Daily Avg Wind Speed (kph) and Daily Max Wind Gust (kph)



Station Deployment:

May 04, 2011

RH, Rain and Wind Sensors

June 9, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

September 20, 2014 05:00

Frost Free Duration:

111 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	5 [0]	0 [0]	-24.21	12.41	-4.16	-3.60	35.3	1.14	1.08			
February	0 [0]	0 [0]	-24.60	11.35	-4.62	-3.78	61.5	2.20	2.17			
March	2 [0]	0 [0]	-23.52	15.72	-2.98	-2.70	98.3	3.17	3.17			
April	66 [0]	18 [0]	-4.20	25.23	5.48	5.02	115.3	3.84	3.92			
May	177 [0]	47 [0]	-1.53	26.45	10.28	9.62	141.8	4.58	4.97			
June	342 [342]	192 [192]	-0.14	31.71	16.30	15.56	159.7	5.32	5.80	102.8	2.6	39.0
July	491 [491]	336 [336]	8.59	30.27	20.57	19.29	163.1	5.26	5.45	88.2	2.4	64.4
August	404 [404]	249 [249]	1.81	28.32	17.87	17.43	145.4	4.69	5.04	65.6	2.3	43.5
September	274 [188]	133 [96]	-2.86	29.39	14.24	14.48	120.8	4.03	4.26	127.2	2.0	33.5
October	201 [0]	73 [0]	-1.84	24.77	11.43	11.68	64.3	2.08	2.17	125.2	3.2	45.3
November	34 [0]	3 [0]	-8.83	17.20	3.73	4.34	36.3	1.21	1.21	211.6	2.3	44.4
December	21 [0]	2 [0]	-16.12	16.80	1.21	1.49	31.6	1.02	1.03	222.4	3.8	49.0
Totals, Averages or Extremes	2017 [1425]	1053 [873]	-24.60	31.71	7.45	7.40	1173.6	38.54	40.26	943.0	2.6	64.4

Southwest NS Weather Study

Station Description

Station ID: MI1 (O)

Location: Moshers Corner

County: Annapolis

Contact: David Colville

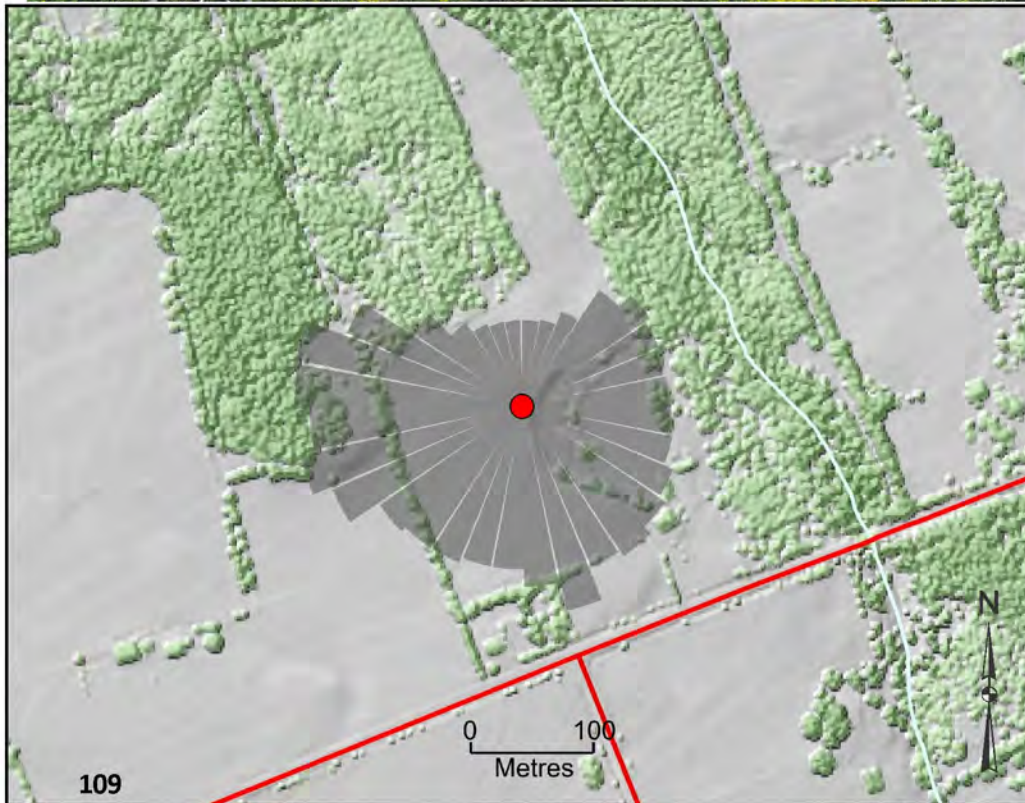
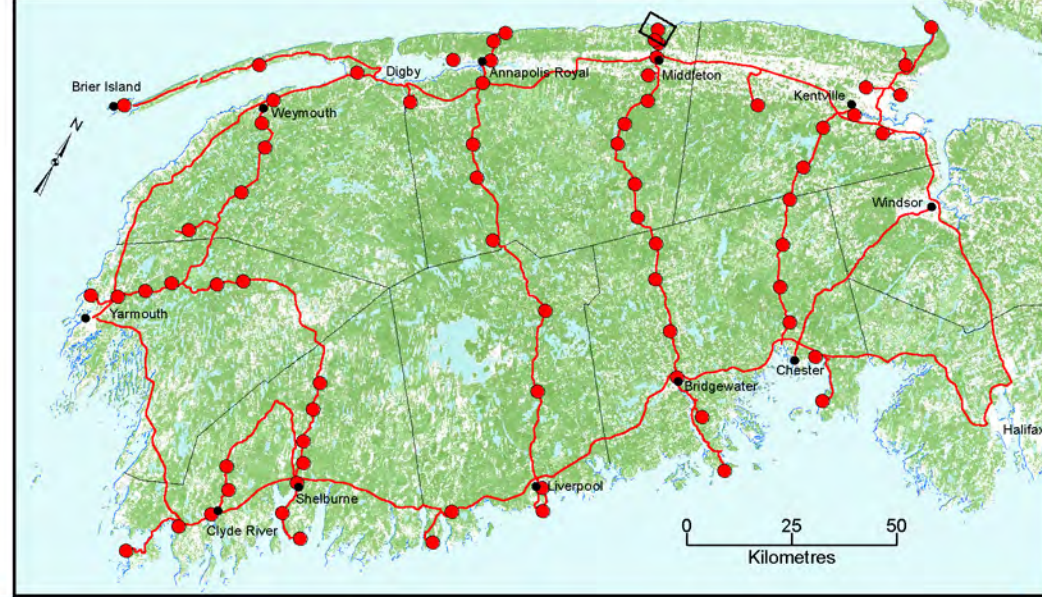
Deployed: 8/13/2011

Easting: 333045.121

Northing: 4985700.586

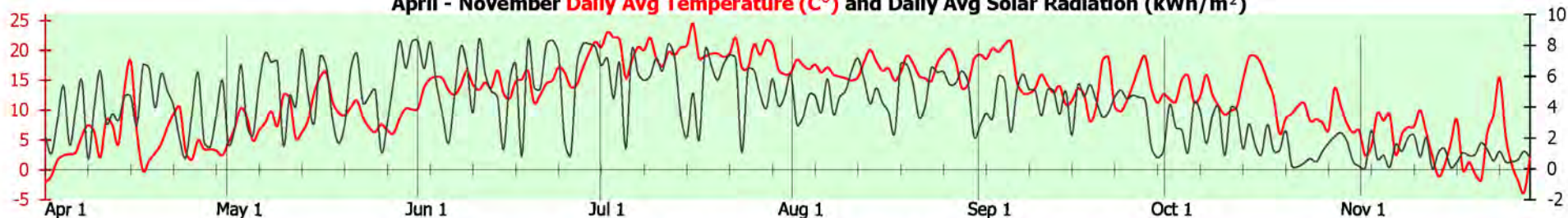
Height (m): 85.83

[UTM Zone 20, NAD 83]

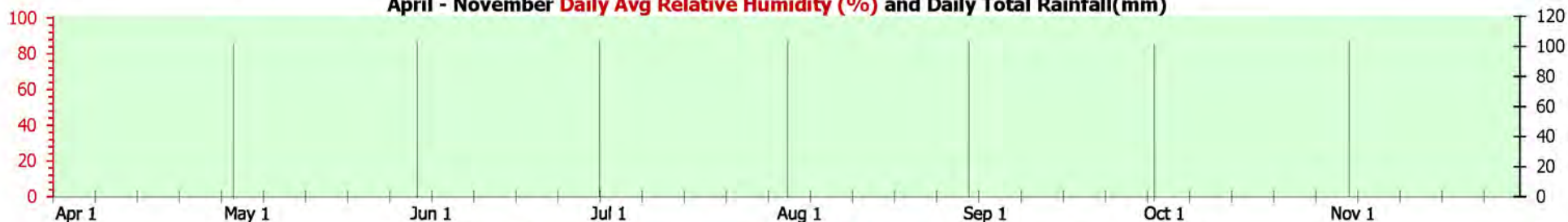


2014 Weather Data for Station MI1

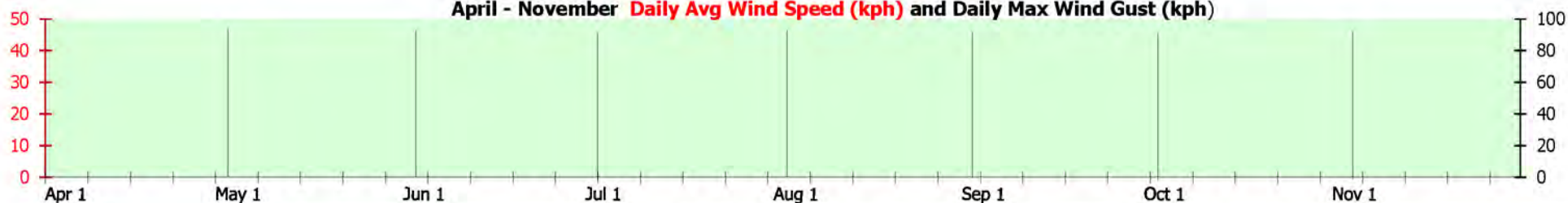
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

August 13, 2011

RH, Rain and Wind Sensors

N/A

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 15, 2014 06:45

Frost Free Duration:

170 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	9 [0]	0 [0]	-19.61	13.83	-3.81	-3.60	28.6	0.92	1.08			
February	0 [0]	0 [0]	-15.91	10.05	-3.92	-3.78	54.3	1.94	2.17			
March	0 [0]	0 [0]	-15.51	9.76	-3.07	-2.70	97.9	3.16	3.17			
April	53 [0]	13 [0]	-4.11	22.51	4.82	5.02	114.0	3.80	3.92			
May	138 [15]	28 [1]	-0.55	22.12	9.04	9.62	152.7	4.93	4.97			
June	306 [306]	156 [156]	3.73	25.88	14.80	15.56	172.9	5.76	5.80			
July	463 [463]	308 [308]	9.82	29.28	19.74	19.29	173.4	5.59	5.45			
August	374 [374]	219 [219]	7.94	25.33	16.91	17.43	155.4	5.01	5.04			
September	294 [294]	147 [147]	3.36	25.88	14.79	14.48	128.1	4.27	4.26			
October	209 [209]	73 [73]	1.48	23.83	11.82	11.68	64.2	2.07	2.17			
November	48 [24]	5 [0]	-5.57	18.84	4.44	4.34	30.4	1.01	1.21			
December	19 [0]	2 [0]	-11.98	17.46	1.19	1.49	26.7	0.86	1.03			
Totals, Averages or Extremes	1913 [1685]	951 [904]	-19.61	29.28	7.23	7.40	1198.5	39.33	40.26			

Southwest NS Weather Study

Station Description

Station ID: MI2 (O)

Location: Albany

County: Annapolis

Contact: C. & J. Skaling

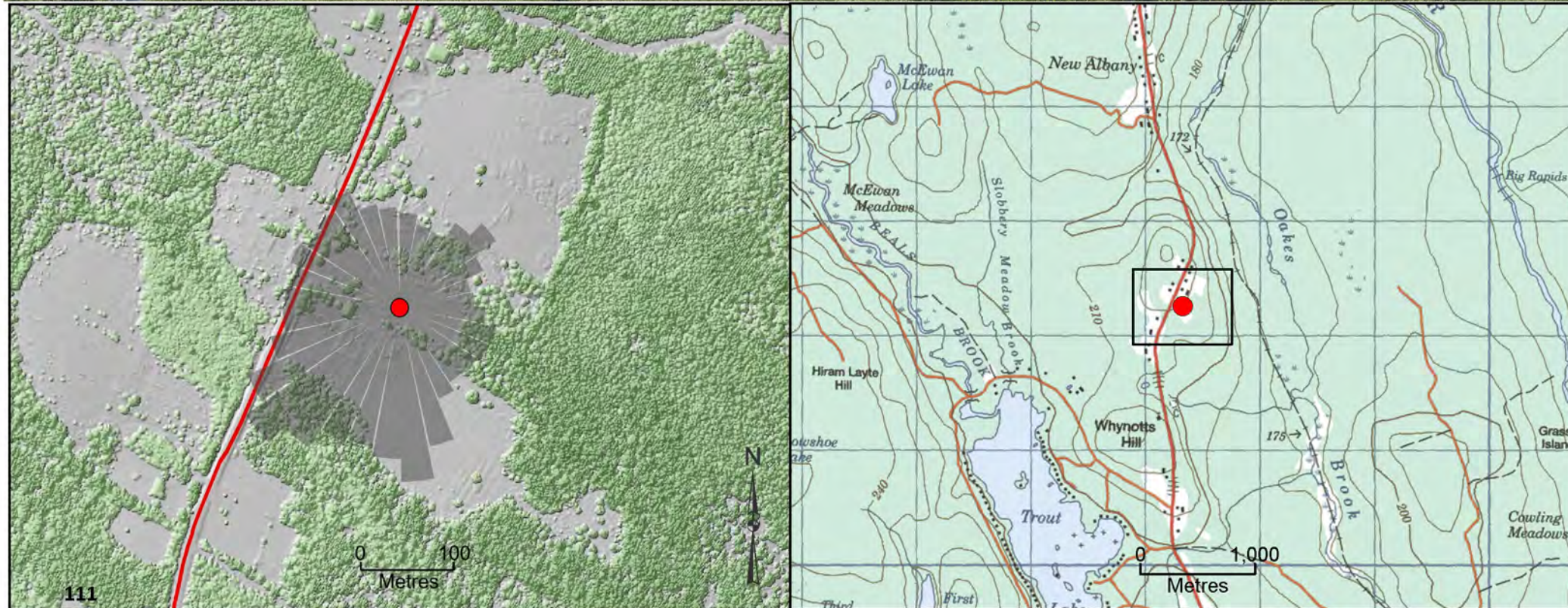
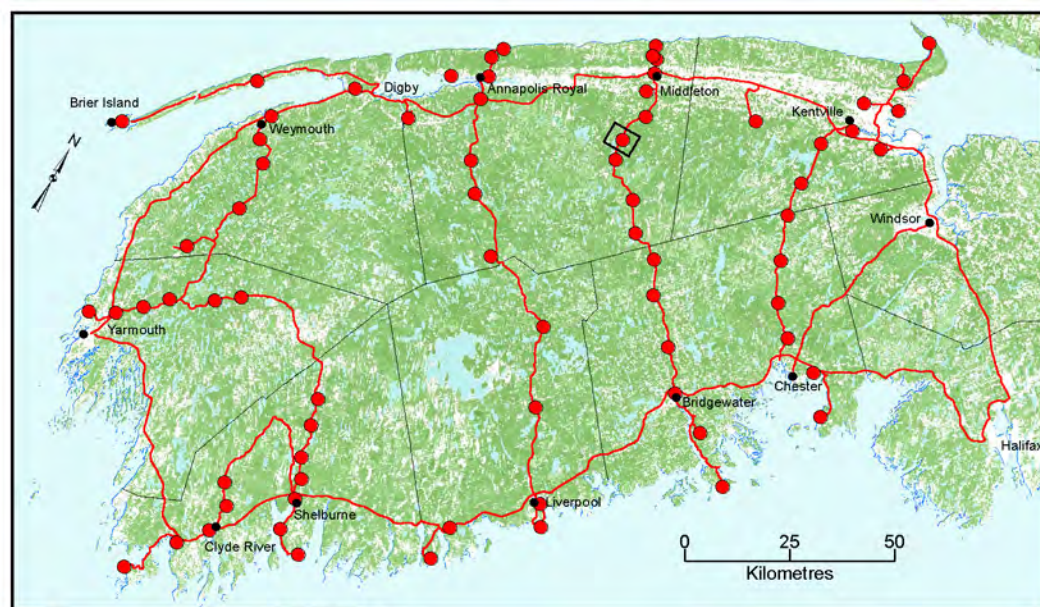
Deployed: 7/14/2011

Easting: 337333.307

Northing: 4962256.136

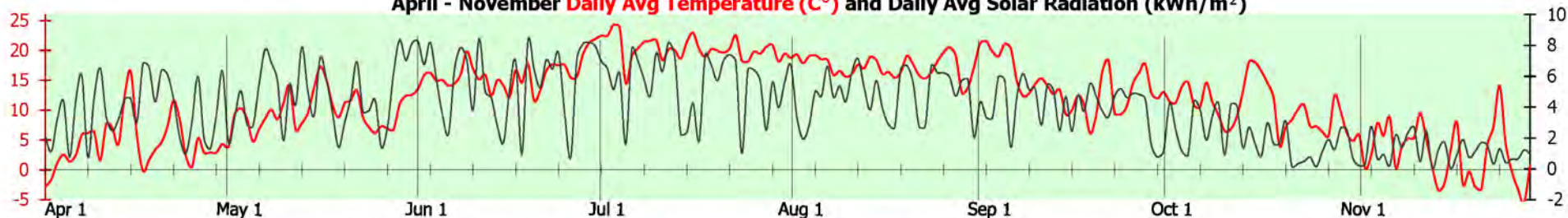
Height (m): 221.82

[UTM Zone 20, NAD 83]

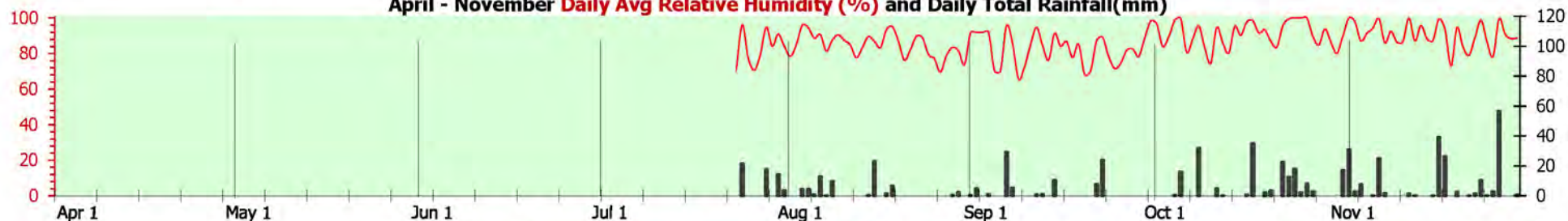


2014 Weather Data for Station MI2

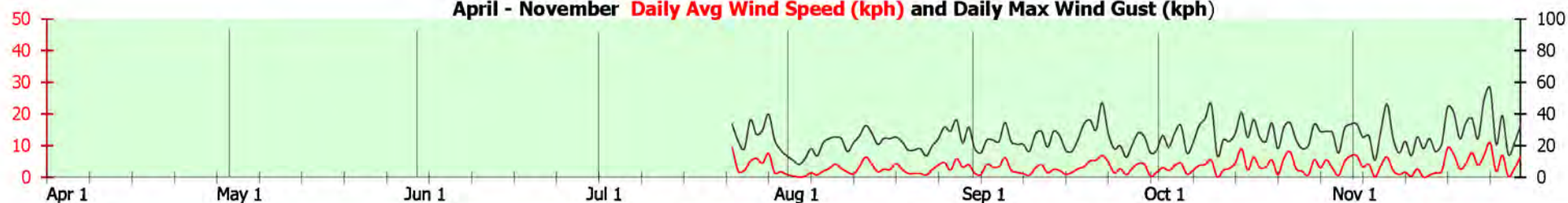
April - November Daily Avg Temperature (C°) and Daily Avg Solar Radiation (kWh/m²)



April - November Daily Avg Relative Humidity (%) and Daily Total Rainfall(mm)



April - November Daily Avg Wind Speed (kph) and Daily Max Wind Gust (kph)



Station Deployment:

July 14, 2011

RH, Rain and Wind Sensors

July 23, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 08, 2014 23:50

Frost Free Duration:

163.8 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	5 [0]	0 [0]	-20.88	12.10	-5.01	-3.60	33.3	1.07	1.08			
February	0 [0]	0 [0]	-19.38	8.52	-5.14	-3.78	60.7	2.17	2.17			
March	1 [0]	0 [0]	-18.97	10.08	-4.04	-2.70	99.9	3.22	3.17			
April	47 [0]	11 [0]	-5.30	21.39	4.50	5.02	115.9	3.86	3.92			
May	161 [20]	41 [5]	-0.51	25.38	9.72	9.62	149.0	4.81	4.97			
June	329 [329]	179 [179]	3.72	29.82	15.96	15.56	173.4	5.78	5.80			
July	486 [486]	331 [331]	9.09	32.85	20.34	19.29	173.0	5.58	5.45	56.8	4.4	39.9
August	400 [400]	245 [245]	5.64	27.80	17.33	17.43	152.2	4.91	5.04	68.2	2.5	36.3
September	287 [287]	142 [142]	1.32	28.20	14.29	14.48	126.4	4.21	4.26	84.4	2.8	47.1
October	183 [183]	60 [60]	-0.12	22.56	10.69	11.68	65.7	2.12	2.17	161.6	3.5	46.2
November	27 [6]	3 [0]	-8.70	17.65	2.83	4.34	35.3	1.18	1.21	227.2	4.0	56.2
December	15 [0]	1 [0]	-14.31	15.96	0.04	1.49	29.0	0.93	1.03	198.6	4.6	52.6
Totals, Averages or Extremes	1941 [1711]	1013 [962]	-20.88	32.85	6.79	7.40	1213.8	39.85	40.26	796.8	3.6	56.2

Southwest NS Weather Study

Station Description

Station ID: MI3 (O)

Location: Squirreltown

County: Annapolis

Contact: Don McPherson

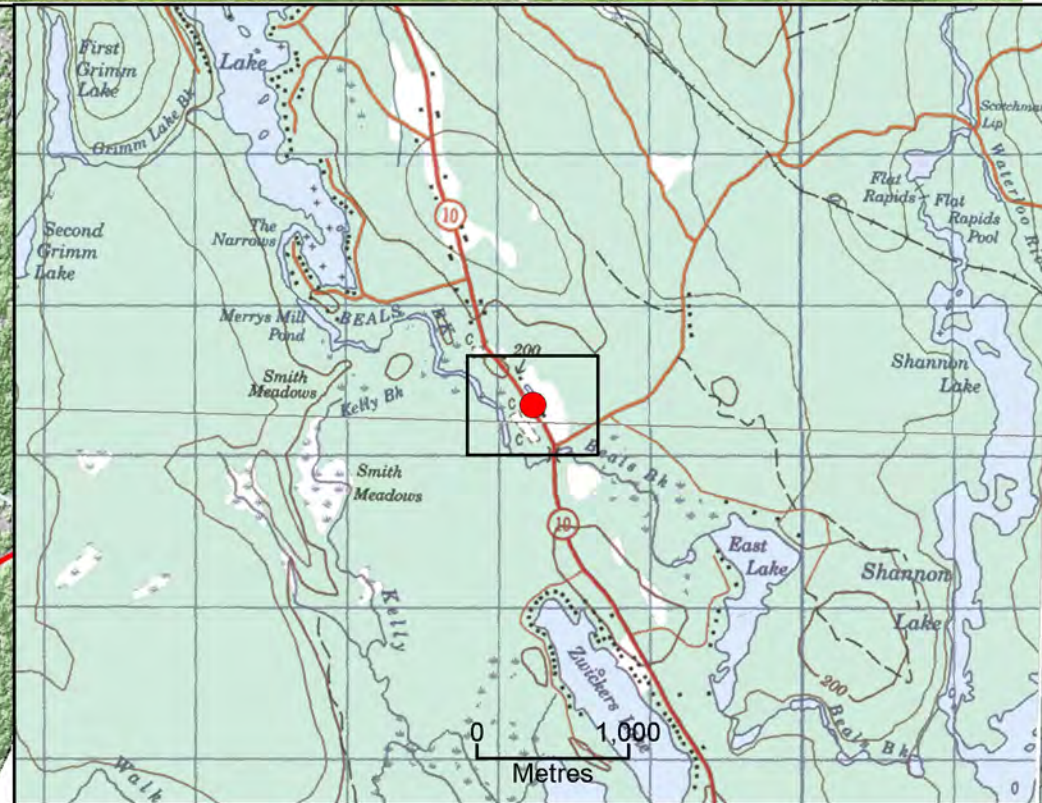
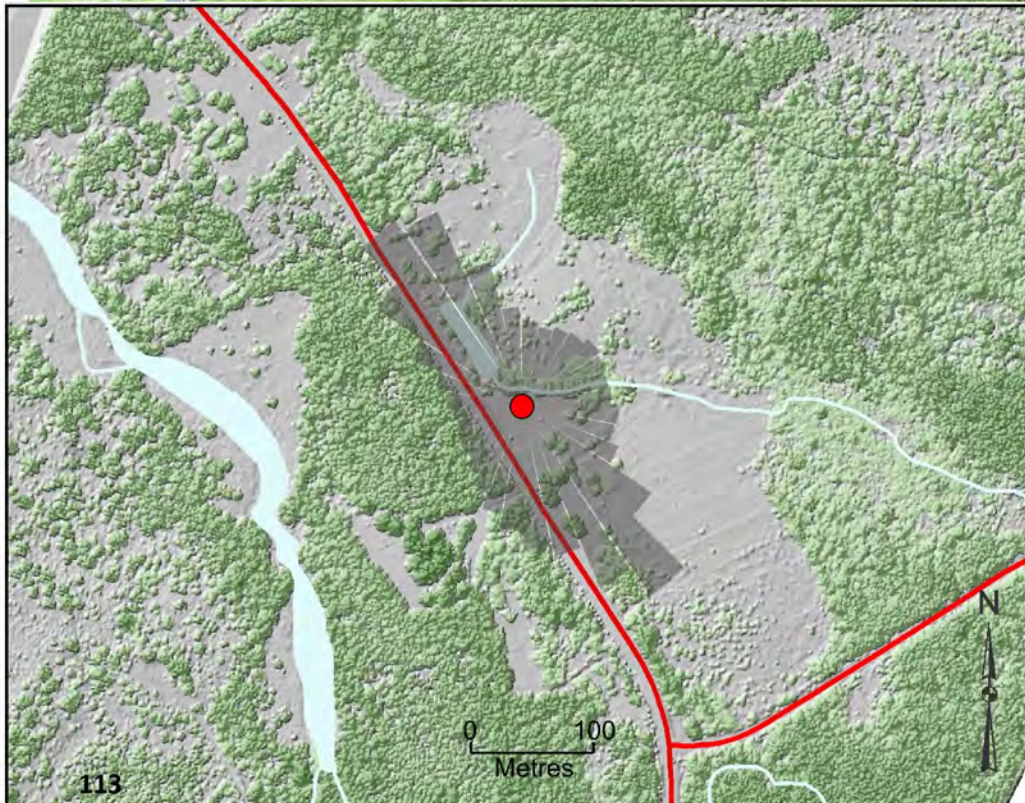
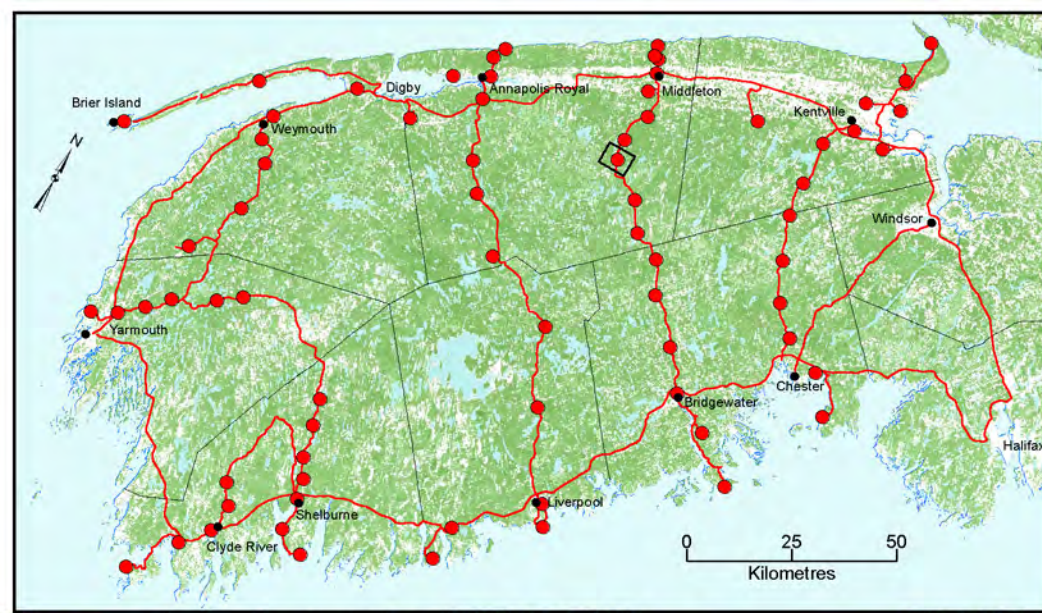
Deployed: 7/14/2011

Easting: 338242.544

Northing: 4957342.858

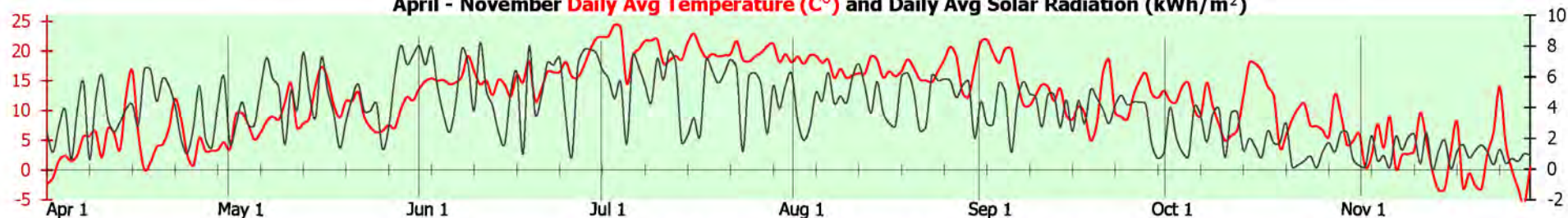
Height (m): 196.96

[UTM Zone 20, NAD 83]

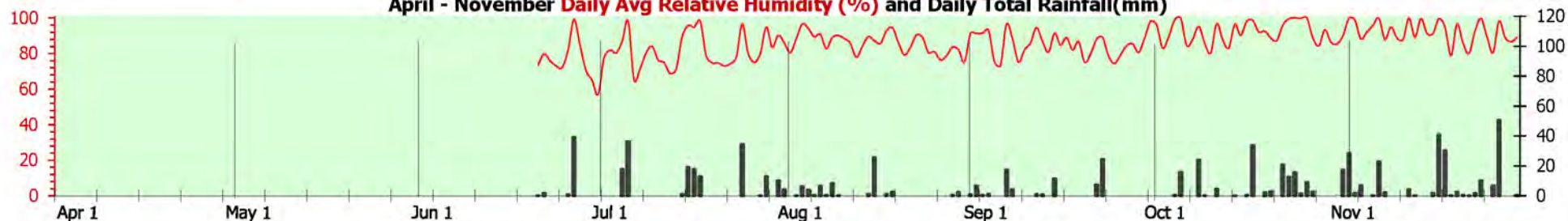


2014 Weather Data for Station MI3

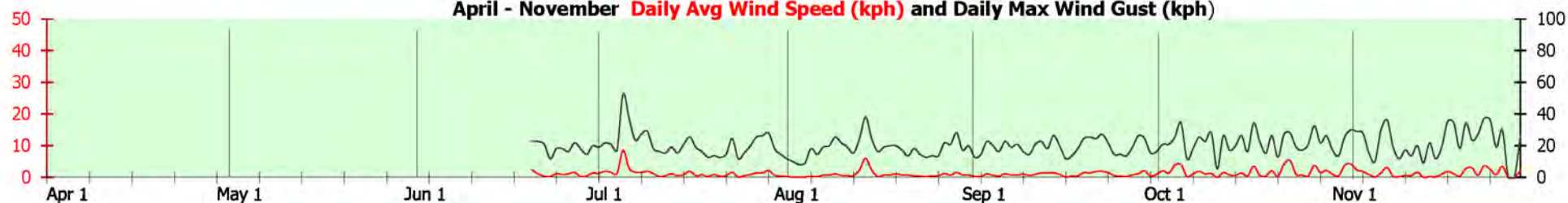
April - November Daily Avg Temperature (C°) and Daily Avg Solar Radiation (kWh/m²)



April - November Daily Avg Relative Humidity (%) and Daily Total Rainfall (mm)



April - November Daily Avg Wind Speed (kph) and Daily Max Wind Gust (kph)



Station Deployment:

July 14, 2011

RH, Rain and Wind Sensors

June 20, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

September 19, 2014 23:10

Frost Free Duration:

111.7 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	4 [0]	0 [0]	-22.78	11.90	-5.19	-3.60	28.5	0.92	1.08			
February	0 [0]	0 [0]	-27.09	9.29	-5.82	-3.78	54.6	1.95	2.17			
March	1 [0]	0 [0]	-26.43	11.03	-4.58	-2.70	91.4	2.95	3.17			
April	45 [0]	12 [0]	-6.17	22.56	4.56	5.02	110.1	3.67	3.92			
May	152 [6]	40 [1]	-3.12	25.84	9.60	9.62	140.8	4.54	4.97			
June	320 [320]	170 [170]	1.48	30.62	15.73	15.56	163.7	5.46	5.80	42.2	1.0	22.7
July	475 [475]	320 [320]	7.54	30.80	20.16	19.29	161.8	5.22	5.45	166.4	1.3	52.6
August	384 [384]	229 [229]	0.93	28.67	17.00	17.43	145.1	4.68	5.04	60.6	0.9	38.1
September	258 [172]	120 [85]	-3.78	29.27	13.54	14.48	117.5	3.92	4.26	75.0	0.9	27.2
October	164 [0]	52 [0]	-2.89	22.92	10.30	11.68	60.7	1.96	2.17	146.6	1.6	34.4
November	23 [0]	3 [0]	-11.87	18.32	2.41	4.34	32.7	1.09	1.21	230.4	1.5	37.2
December	15 [0]	0 [0]	-18.70	16.08	-0.05	1.49	25.5	0.82	1.03	211.8	2.0	48.0
Totals, Averages or Extremes	1841 [1357]	946 [805]	-27.09	30.80	6.47	7.40	1132.4	37.17	40.26	933.0	1.3	52.6

Southwest NS Weather Study

Station Description

Station ID: MI4 (O)

Location: Dalhousie

County: Annapolis

Contact: John Blyde

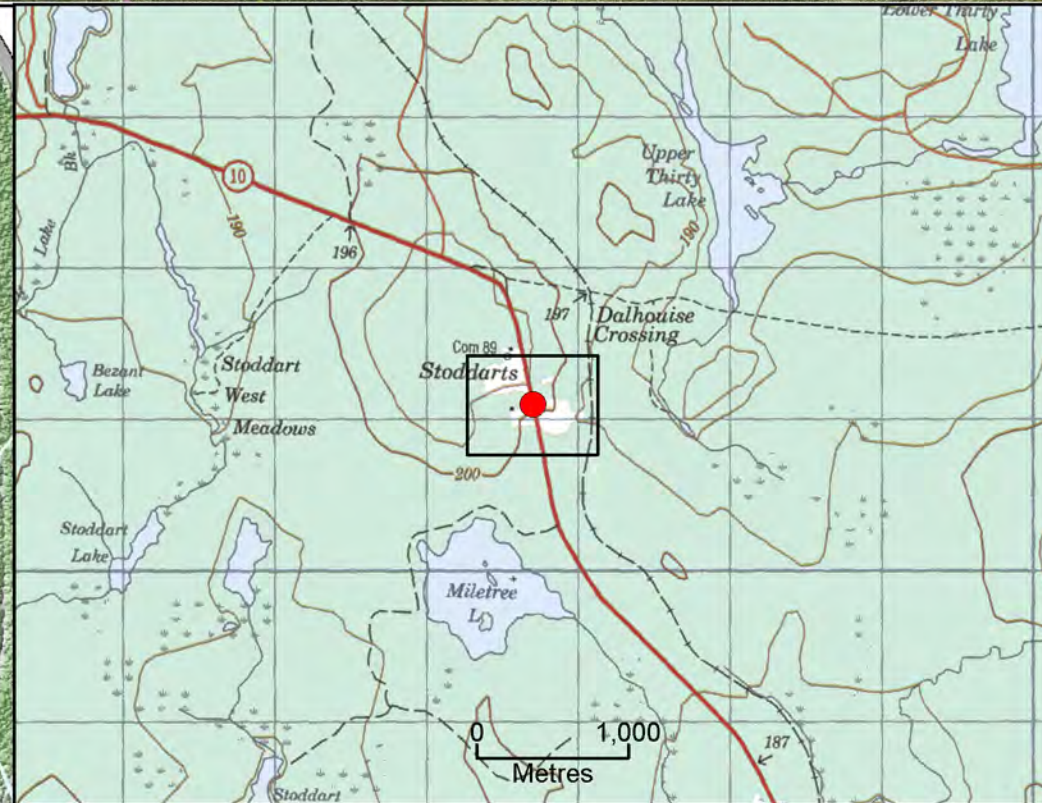
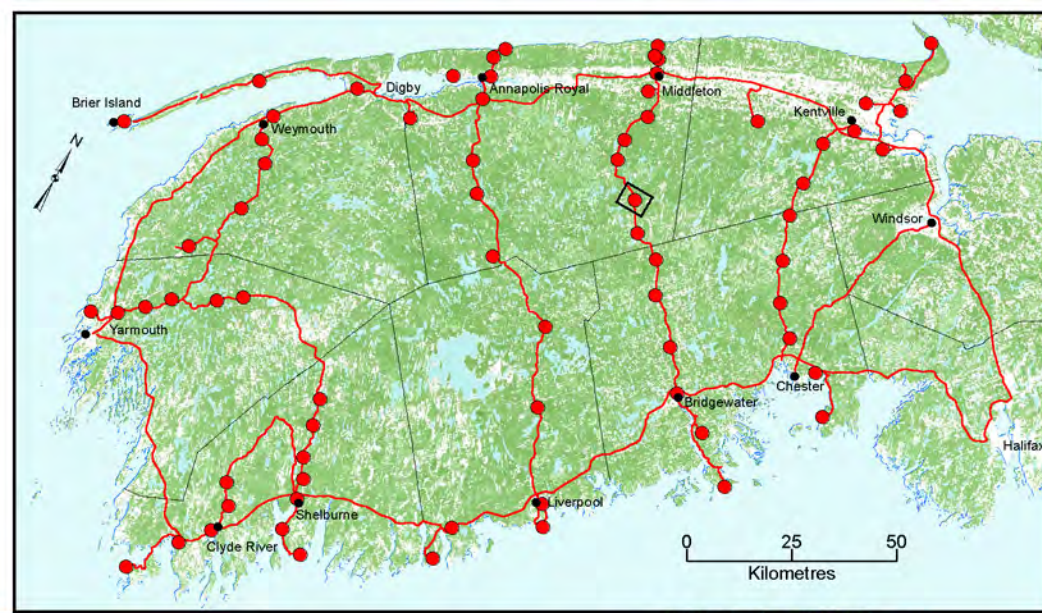
Deployed: 8/24/2011

Easting: 346474.643

Northing: 4950971.537

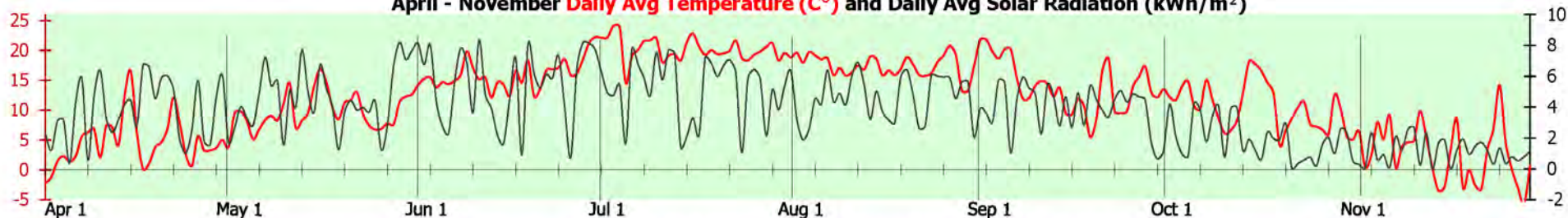
Height (m): 205.9

[UTM Zone 20, NAD 83]

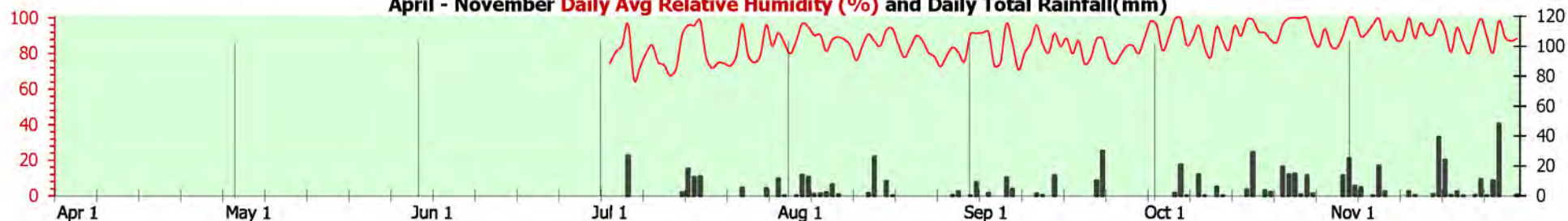


2014 Weather Data for Station MI4

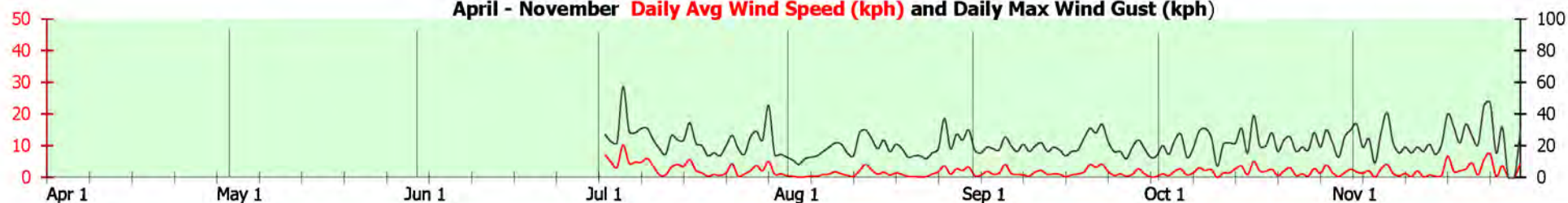
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

August 24, 2011

RH, Rain and Wind Sensors

July 2, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

September 20, 2014 06:55

Frost Free Duration:

114 days

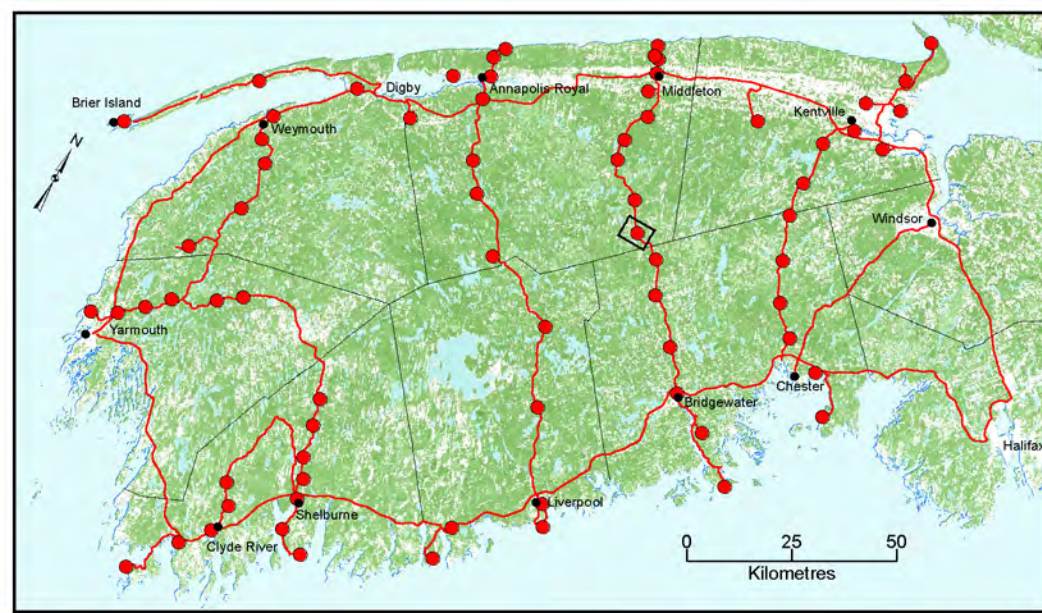
2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	4 [0]	0 [0]	-20.79	12.32	-5.05	-3.60	32.5	1.05	1.08			
February	0 [0]	0 [0]	-22.27	9.26	-5.28	-3.78	57.8	2.06	2.17			
March	1 [0]	0 [0]	-23.46	11.42	-4.04	-2.70	94.1	3.03	3.17			
April	47 [0]	11 [0]	-5.48	22.11	4.65	5.02	114.0	3.80	3.92			
May	162 [21]	42 [6]	-1.21	24.39	9.74	9.62	141.1	4.55	4.97			
June	335 [335]	185 [185]	3.51	31.31	15.95	15.56	165.4	5.51	5.80			
July	488 [488]	333 [333]	9.19	37.84	20.23	19.29	163.8	5.28	5.45	94.2	3.1	57.1
August	404 [404]	249 [249]	4.25	28.79	17.43	17.43	145.5	4.69	5.04	81.2	1.2	37.2
September	282 [191]	139 [98]	-2.16	29.17	14.09	14.48	122.7	4.09	4.26	83.6	1.4	33.6
October	180 [0]	58 [0]	-0.68	22.78	10.76	11.68	62.5	2.02	2.17	147.2	1.8	39.0
November	30 [0]	3 [0]	-10.58	18.06	2.82	4.34	35.1	1.17	1.21	216.4	2.1	47.1
December	16 [0]	1 [0]	-16.45	16.20	0.18	1.49	29.2	0.94	1.03	231.4	2.3	43.5
Totals, Averages or Extremes	1949 [1439]	1021 [871]	-23.46	37.84	6.79	7.40	1163.6	38.21	40.26	854.0	2.0	57.1

Southwest NS Weather Study

Station Description

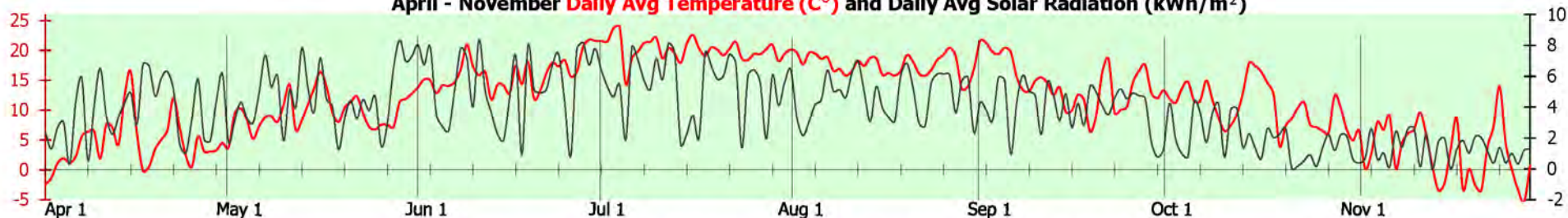
Station ID: MI5 (O)
Location: Springfield
County: Annapolis
Contact: Robert Whynot
Deployed: 7/14/2011

Easting: 351044.646
Northing: 4944484.319
Height (m): 220.03
[UTM Zone 20, NAD 83]

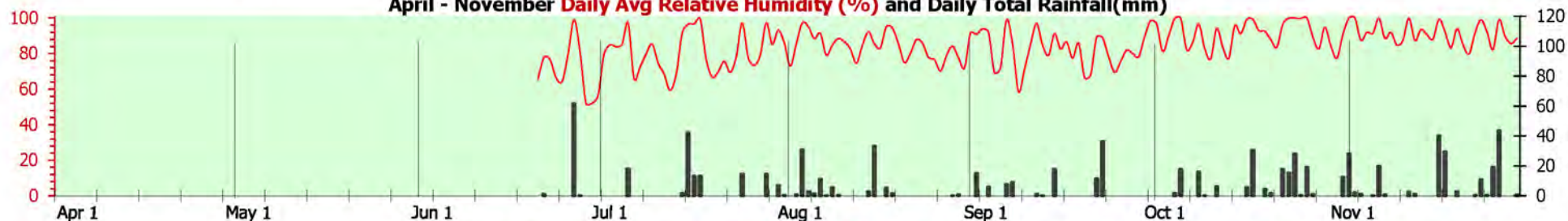


2014 Weather Data for Station MI5

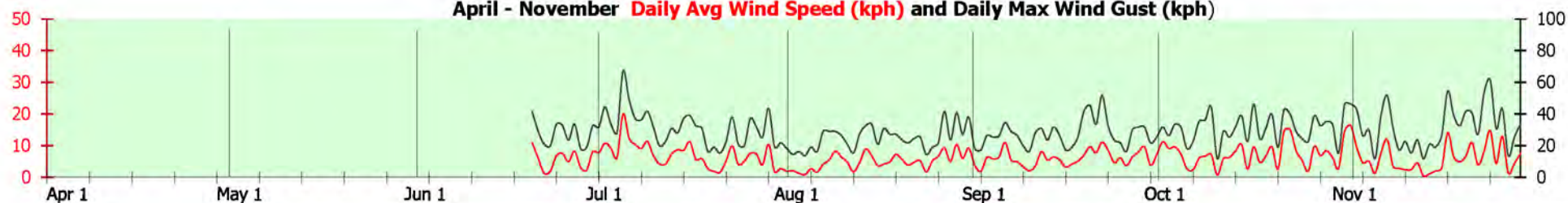
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

July 14, 2011

RH, Rain and Wind Sensors

June 20, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 09, 2014 02:25

Frost Free Duration:

192.7 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	5 [0]	0 [0]	-20.93	12.10	-5.01	-3.60	34.4	1.11	1.08			
February	0 [0]	0 [0]	-17.04	9.90	-5.00	-3.78	60.4	2.16	2.17			
March	0 [0]	0 [0]	-18.47	10.86	-3.84	-2.70	96.7	3.12	3.17			
April	46 [1]	11 [0]	-5.20	21.39	4.49	5.02	114.5	3.82	3.92			
May	163 [163]	38 [38]	0.14	24.46	9.65	9.62	142.6	4.60	4.97			
June	338 [338]	188 [188]	4.17	30.17	16.04	15.56	164.1	5.47	5.80	62.8	5.6	41.7
July	483 [483]	328 [328]	9.02	29.41	20.14	19.29	165.9	5.35	5.45	125.2	7.2	67.1
August	411 [411]	256 [256]	6.91	27.75	17.58	17.43	148.5	4.79	5.04	97.2	5.0	41.7
September	294 [294]	148 [148]	1.45	28.32	14.46	14.48	124.1	4.14	4.26	104.8	6.0	51.7
October	189 [189]	60 [60]	1.81	23.81	10.88	11.68	63.2	2.04	2.17	166.8	7.0	46.2
November	32 [8]	3 [0]	-9.17	17.46	3.04	4.34	38.2	1.27	1.21	216.8	6.5	61.6
December	15 [0]	0 [0]	-15.67	16.11	0.11	1.49	31.1	1.00	1.03	250.0	7.1	58.9
Totals, Averages or Extremes	1976 [1887]	1032 [1018]	-20.93	30.17	6.88	7.40	1183.7	38.87	40.26	1023.6	6.3	67.1

Southwest NS Weather Study

Station Description

Station ID: SH1 (O)

Location: Lockes Island

County: Shelburne

Contact: M. & S. Moore

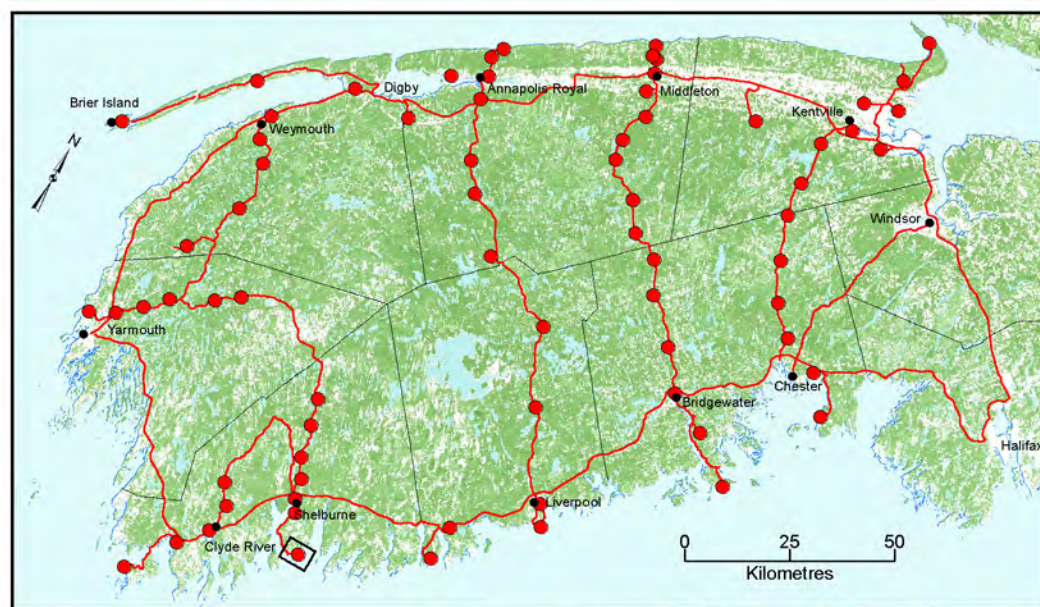
Deployed: 5/12/2011

Easting: 319765.334

Northing: 4838070.534

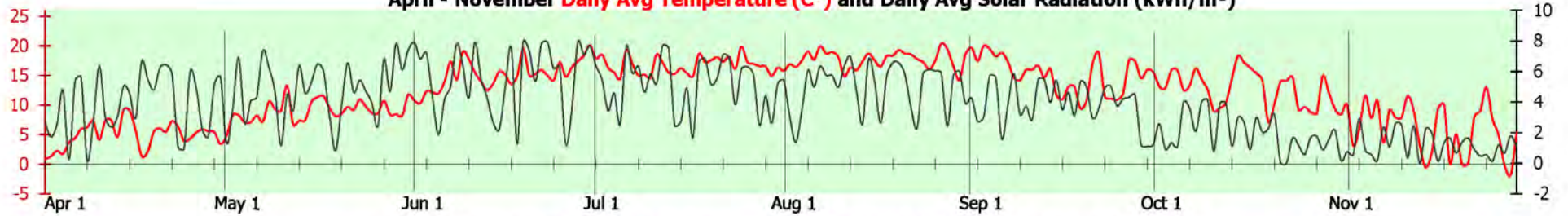
Height (m): 1

[UTM Zone 20, NAD 83]

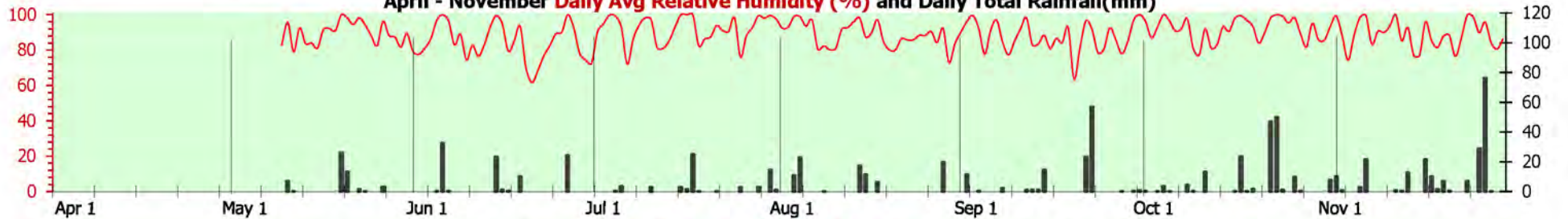


2014 Weather Data for Station SH1

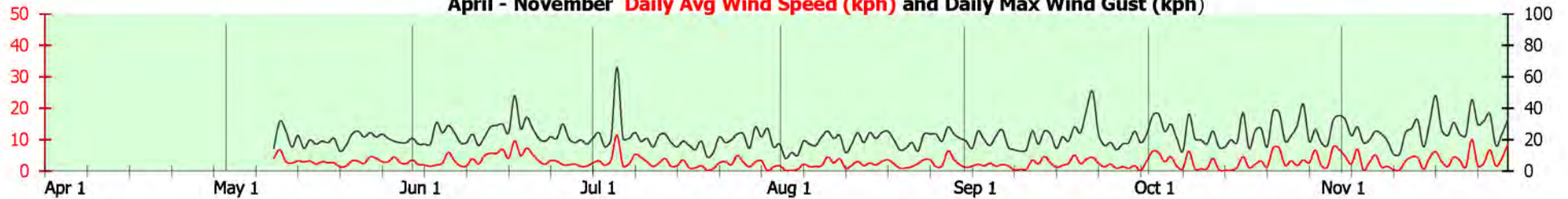
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 12, 2011

RH, Rain and Wind Sensors

May 9, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 15, 2014 18:00

Frost Free Duration:

208.5 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	3 [0]	0 [0]	-15.83	9.61	-2.02	-3.60	34.8	1.12	1.08			
February	2 [0]	0 [0]	-17.51	10.44	-1.88	-3.78	62.2	2.22	2.17			
March	3 [0]	0 [0]	-13.89	12.41	-0.79	-2.70	93.8	3.03	3.17			
April	36 [7]	1 [0]	-1.53	17.01	4.98	5.02	118.3	3.94	3.92			
May	144 [144]	21 [21]	1.64	21.60	8.99	9.62	149.1	4.81	4.97	51.8	3.1	31.7
June	321 [321]	171 [171]	4.12	29.94	15.13	15.56	169.6	5.65	5.80	92.4	3.6	48.0
July	384 [384]	229 [229]	10.57	27.28	16.73	19.29	161.3	5.20	5.45	58.2	2.7	66.2
August	416 [416]	261 [261]	6.43	27.88	17.66	17.43	156.4	5.05	5.04	88.8	2.3	28.1
September	318 [318]	170 [170]	1.04	28.54	15.17	14.48	121.2	4.04	4.26	113.4	2.1	50.8
October	251 [251]	100 [100]	3.30	26.01	12.91	11.68	65.3	2.10	2.17	156.4	2.9	42.6
November	70 [43]	5 [2]	-4.74	17.42	6.08	4.34	37.1	1.24	1.21	210.8	3.7	48.0
December	22 [0]	1 [0]	-11.58	15.34	3.05	1.49	34.8	1.12	1.03	190.0	3.8	62.6
Totals, Averages or Extremes	1970 [1884]	959 [954]	-17.51	29.94	8.00	7.40	1203.8	39.53	40.26	961.8	3.0	66.2

Southwest NS Weather Study

Station Description

Station ID: SH2 (O)

Location: Shelburne

County: Shelburne

Contact: NSCC Shelburne

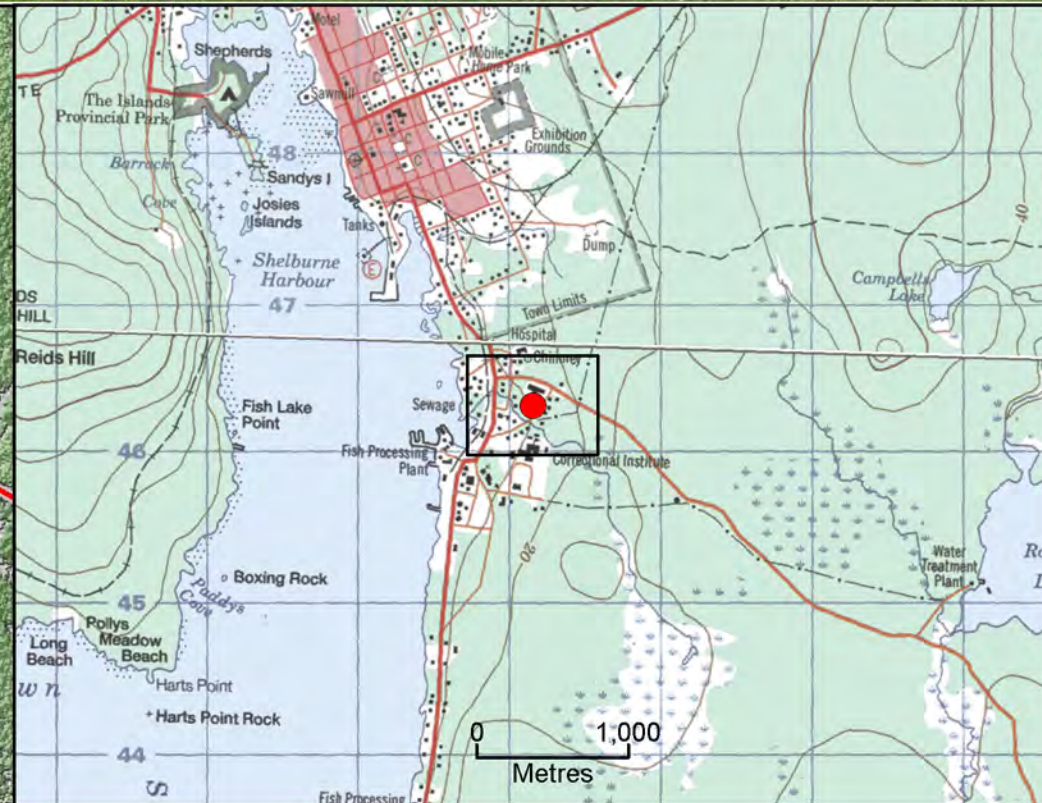
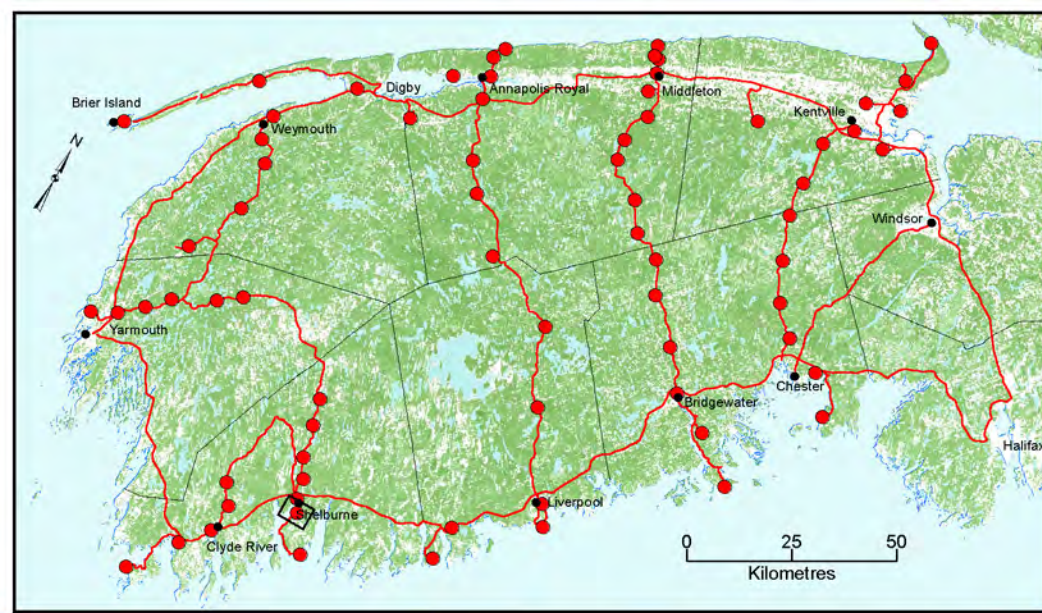
Deployed: 4/27/2011

Easting: 312956.006

Northing: 4841244.95

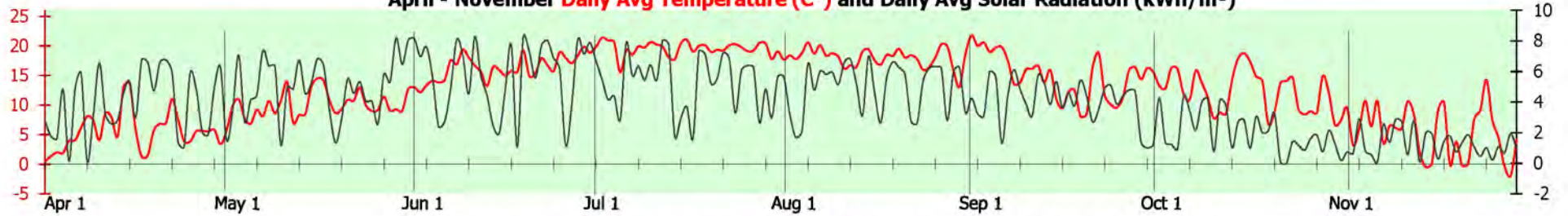
Height (m): 14.3

[UTM Zone 20, NAD 83]

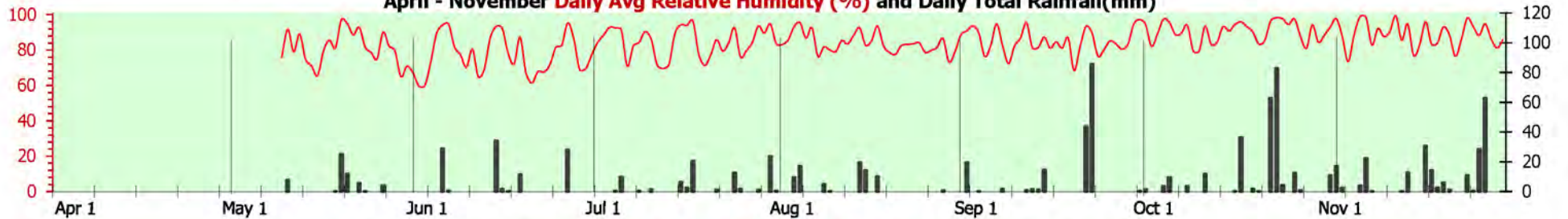


2014 Weather Data for Station SH2

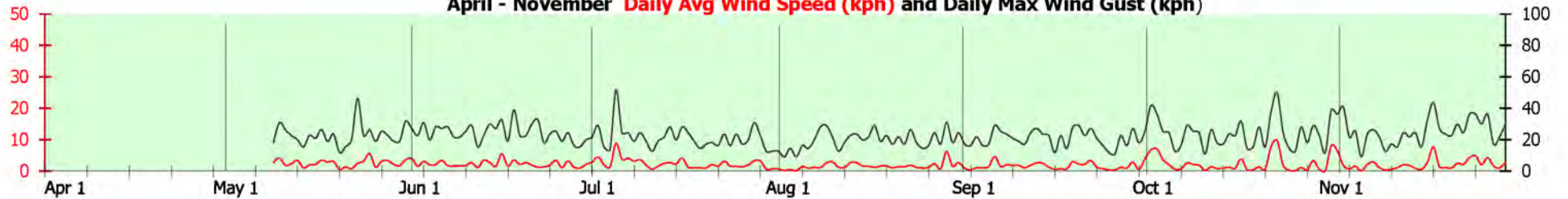
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

April 27, 2011

RH, Rain and Wind Sensors

May 9, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

September 20, 2014 04:40

Frost Free Duration:

142.9 days

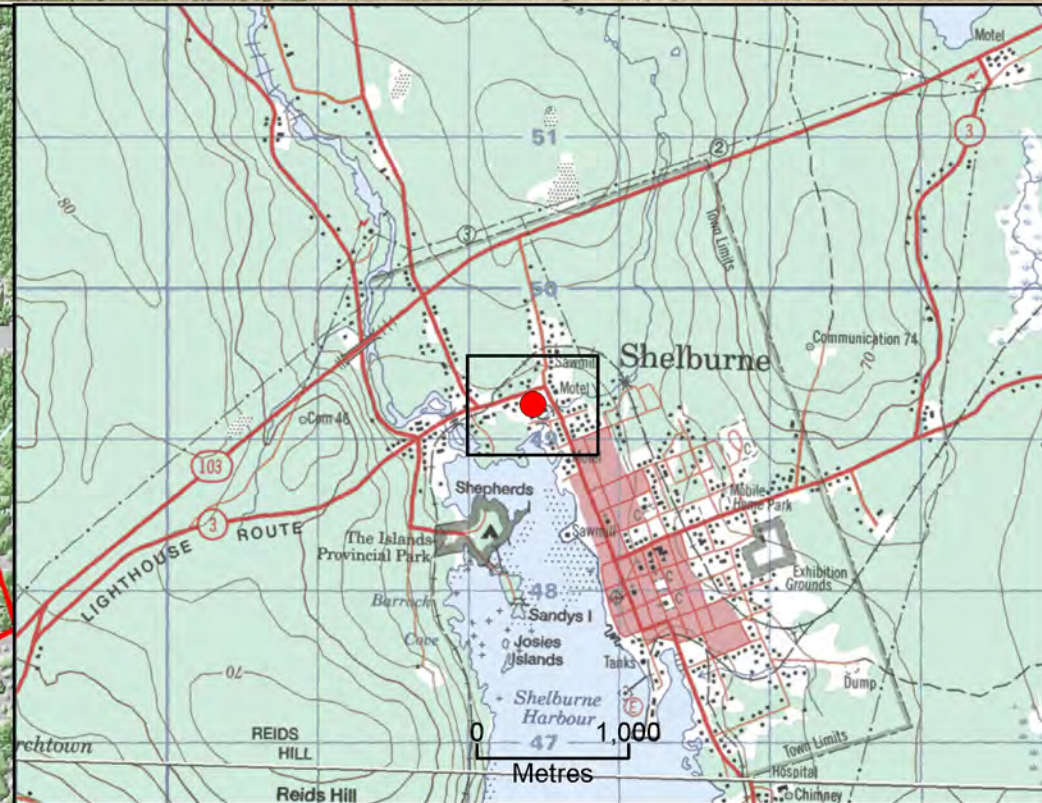
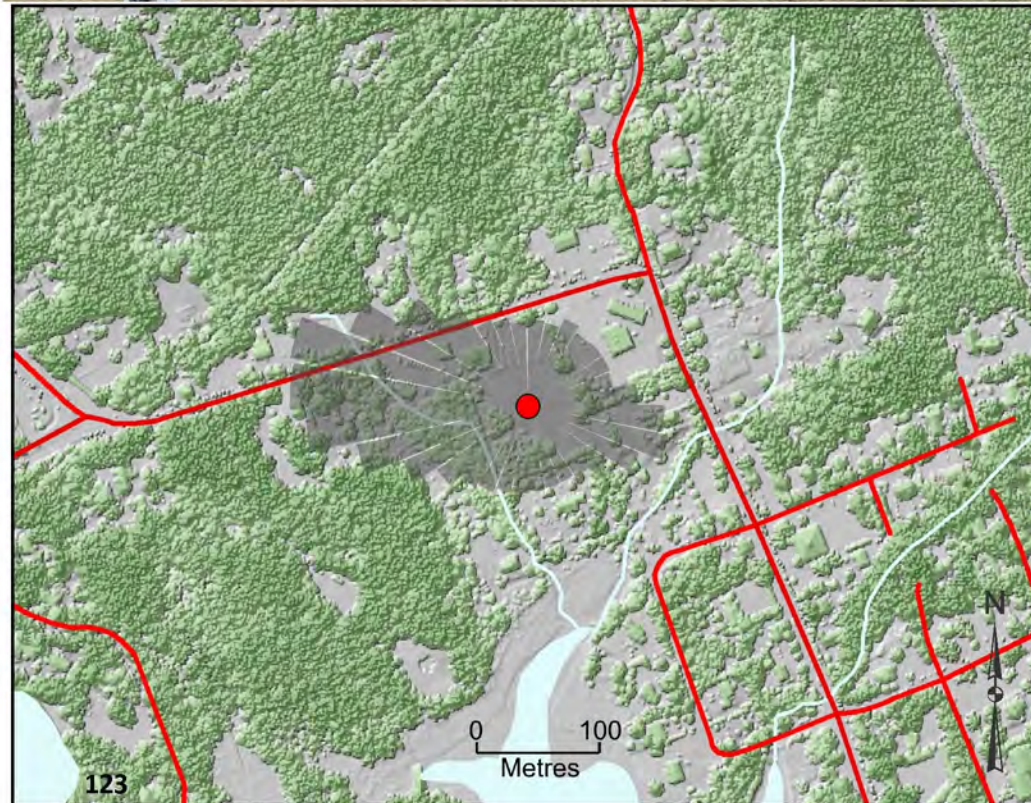
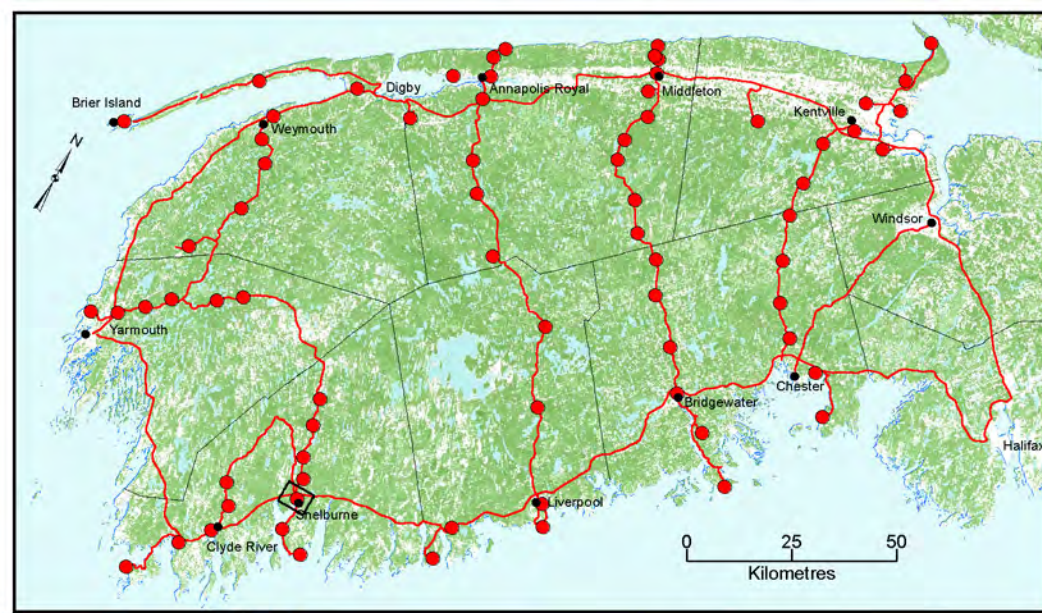
2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	2 [0]	0 [0]	-18.08	9.16	-2.32	-3.60	17.8	0.59	1.08			
February	2 [0]	0 [0]	-19.42	10.30	-2.52	-3.78	63.0	2.25	2.17			
March	4 [0]	0 [0]	-18.52	13.31	-1.18	-2.70	96.6	3.11	3.17			
April	54 [0]	10 [0]	-3.69	21.03	5.61	5.02	121.0	4.03	3.92			
May	176 [176]	47 [47]	0.25	33.65	10.05	9.62	154.2	4.97	4.97	55.2	2.5	46.2
June	345 [345]	195 [195]	2.10	30.90	16.25	15.56	174.3	5.81	5.80	105.0	2.3	39.0
July	470 [470]	315 [315]	10.12	29.57	19.58	19.29	165.3	5.33	5.45	81.8	2.4	51.7
August	417 [417]	262 [262]	3.33	27.97	18.01	17.43	156.6	5.05	5.04	76.2	1.6	30.8
September	303 [208]	158 [113]	-2.36	29.29	14.89	14.48	125.6	4.19	4.26	169.4	1.6	29.0
October	225 [0]	88 [0]	-0.45	25.09	12.48	11.68	65.8	2.17	2.17	232.0	2.2	49.9
November	58 [0]	5 [0]	-6.80	17.11	5.51	4.34	38.5	1.32	1.21	227.2	2.4	43.5
December	27 [0]	3 [0]	-13.97	15.77	2.77	1.49	34.9	1.16	1.03	261.4	2.6	47.1
Totals, Averages or Extremes	2083 [1616]	1083 [932]	-19.42	33.65	8.26	7.40	1213.5	39.99	40.26	1208.3	2.2	51.7

Southwest NS Weather Study

Station Description

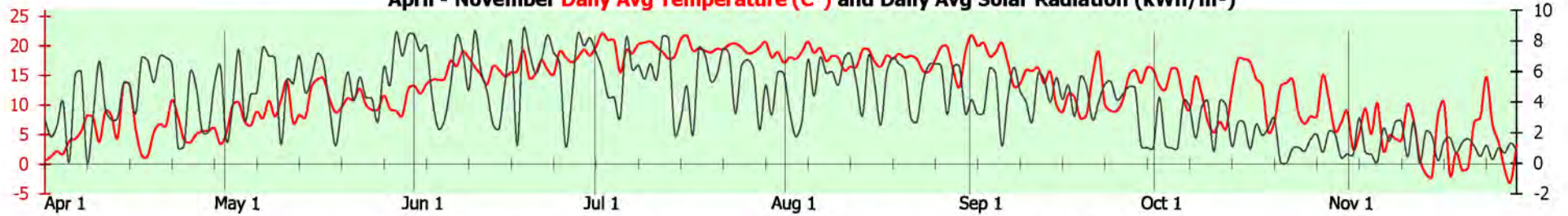
Station ID: SH3 (O)
Location: Shelburne
County: Shelburne
Contact: Ivan Spears
Deployed: 5/12/2011

Easting: 312426.635
Northing: 4849220.799
Height (m): 4.76
[UTM Zone 20, NAD 83]

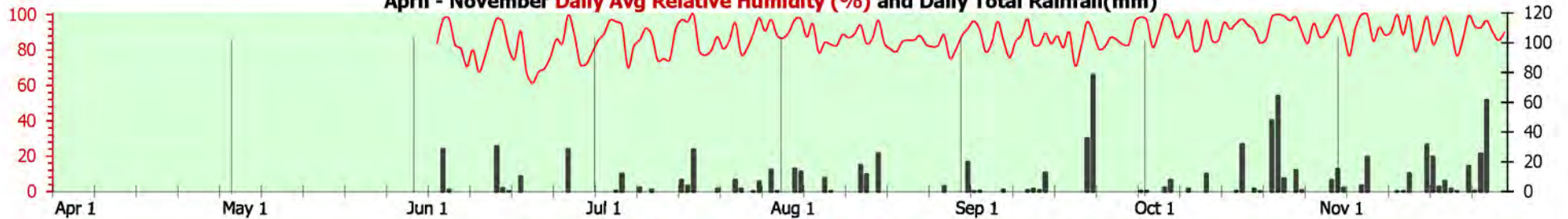


2014 Weather Data for Station SH3

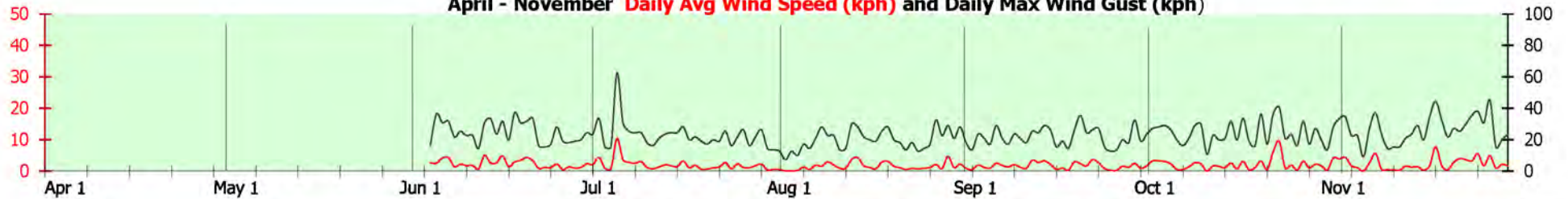
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall (mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 12, 2011

RH, Rain and Wind Sensors

June 4, 2011

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

September 20, 2014 04:20

Frost Free Duration:

112.9 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	7 [0]	0 [0]	-22.22	12.49	-2.78	-3.60	36.2	1.17	1.08			
February	2 [0]	0 [0]	-22.89	11.20	-2.91	-3.78	65.8	2.35	2.17			
March	4 [0]	0 [0]	-20.31	13.52	-1.52	-2.70	99.8	3.22	3.17			
April	54 [0]	10 [0]	-3.78	21.58	5.59	5.02	125.5	4.18	3.92			
May	158 [10]	36 [2]	-0.99	21.56	9.96	9.62	161.2	5.20	4.97			
June	341 [341]	191 [191]	1.83	31.89	16.16	15.56	179.1	5.97	5.80	101.2	2.4	37.2
July	466 [466]	311 [311]	8.34	29.59	19.61	19.29	171.7	5.54	5.45	89.2	2.0	62.6
August	405 [405]	250 [250]	2.66	28.57	17.80	17.43	161.9	5.22	5.04	96.2	1.6	32.6
September	286 [200]	142 [106]	-2.95	29.29	14.45	14.48	129.0	4.30	4.26	152.0	1.7	35.4
October	192 [0]	73 [0]	-1.77	25.62	11.98	11.68	67.2	2.12	2.17	203.2	2.1	43.2
November	43 [0]	5 [0]	-8.67	17.21	5.02	4.34	39.5	1.28	1.21	221.0	2.3	42.3
December	24 [0]	3 [0]	-15.48	16.27	2.44	1.49	35.8	1.13	1.03	257.4	2.6	42.7
Totals, Averages or Extremes	1982 [1422]	1021 [860]	-22.89	31.89	7.98	7.40	1272.9	41.69	40.26	1120.2	2.1	62.6

Southwest NS Weather Study

Station Description

Station ID: SH4 (O)

Location: Lower Ohio

County: Shelburne

Contact: Rick Bower

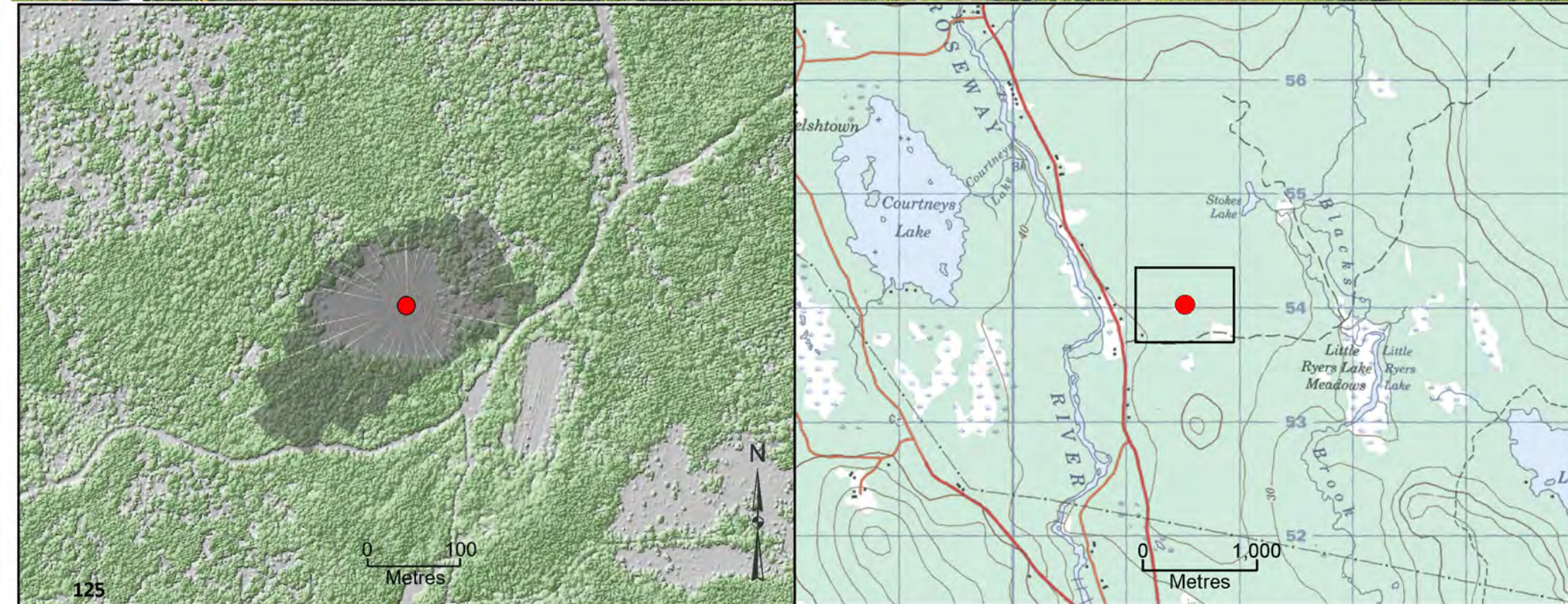
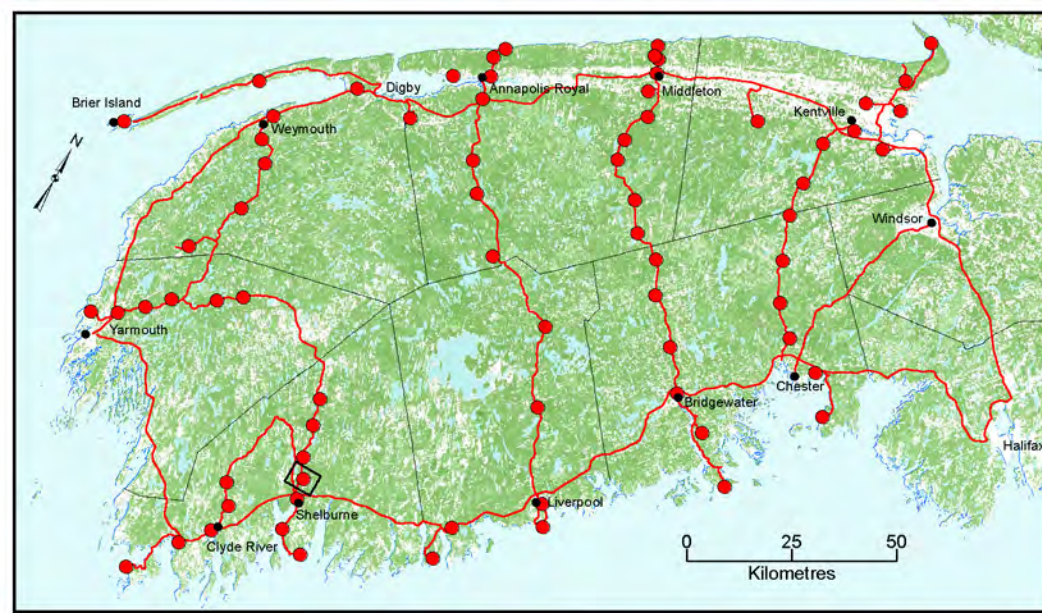
Deployed: 4/28/2011

Easting: 311520.69

Northing: 4854025.296

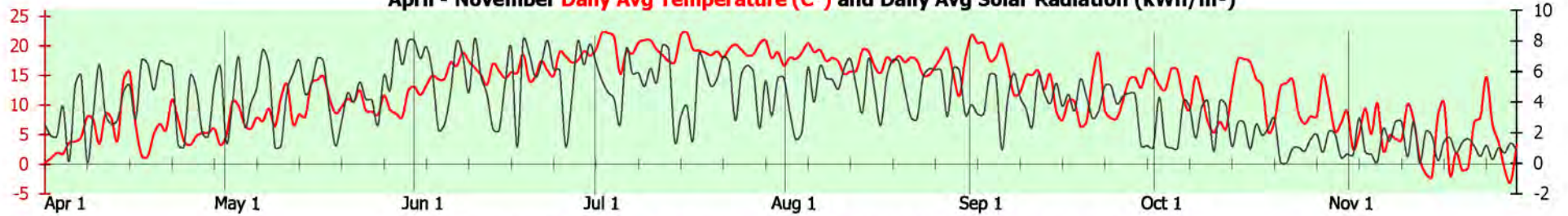
Height (m): 37.39

[UTM Zone 20, NAD 83]

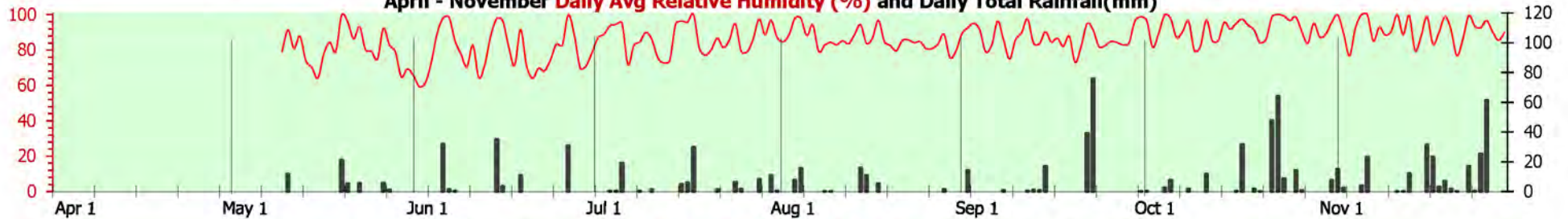


2014 Weather Data for Station SH4

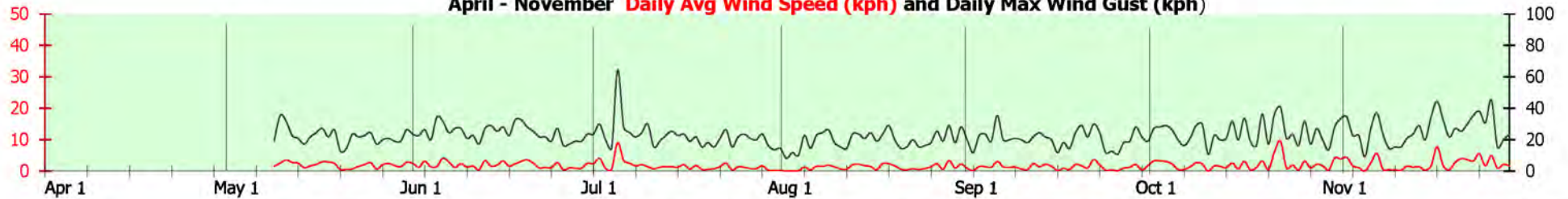
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

April 28, 2011

RH, Rain and Wind Sensors

May 9, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

September 19, 2014 22:00

Frost Free Duration:

109.6 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	8 [0]	0 [0]	-24.11	12.36	-3.14	-3.60	33.5	1.08	1.08			
February	1 [0]	0 [0]	-25.67	11.03	-3.55	-3.78	60.6	2.17	2.17			
March	4 [0]	0 [0]	-23.20	12.87	-2.06	-2.70	94.3	3.04	3.17			
April	47 [0]	12 [0]	-5.26	22.08	5.44	5.02	118.7	3.96	3.92			
May	144 [0]	35 [0]	-3.48	23.02	9.66	9.62	146.8	4.73	4.97	51.0	2.0	35.4
June	327 [319]	177 [174]	-0.79	31.74	16.01	15.56	170.5	5.68	5.80	113.8	2.0	34.4
July	459 [459]	304 [304]	6.91	29.37	19.50	19.29	160.6	5.18	5.45	92.0	1.7	64.4
August	382 [382]	227 [227]	-0.51	28.10	17.28	17.43	153.5	4.95	5.04	58.2	1.2	29.0
September	255 [174]	119 [86]	-5.85	29.02	13.71	14.48	121.5	4.05	4.26	149.8	1.3	35.4
October	191 [0]	72 [0]	-3.09	26.16	11.48	11.68	64.3	2.07	2.17	194.6	2.1	40.8
November	43 [0]	4 [0]	-10.55	17.32	4.54	4.34	37.5	1.25	1.21	236.8	2.4	45.3
December	24 [0]	3 [0]	-17.00	16.77	2.12	1.49	34.0	1.10	1.03	279.2	2.8	42.6
Totals, Averages or Extremes	1885 [1334]	953 [791]	-25.67	31.74	7.58	7.40	1195.9	39.27	40.26	1175.5	1.9	64.4

Southwest NS Weather Study

Station Description

Station ID: SH5 (O)

Location: Lower Ohio

County: Shelburne

Contact: Rick Bower

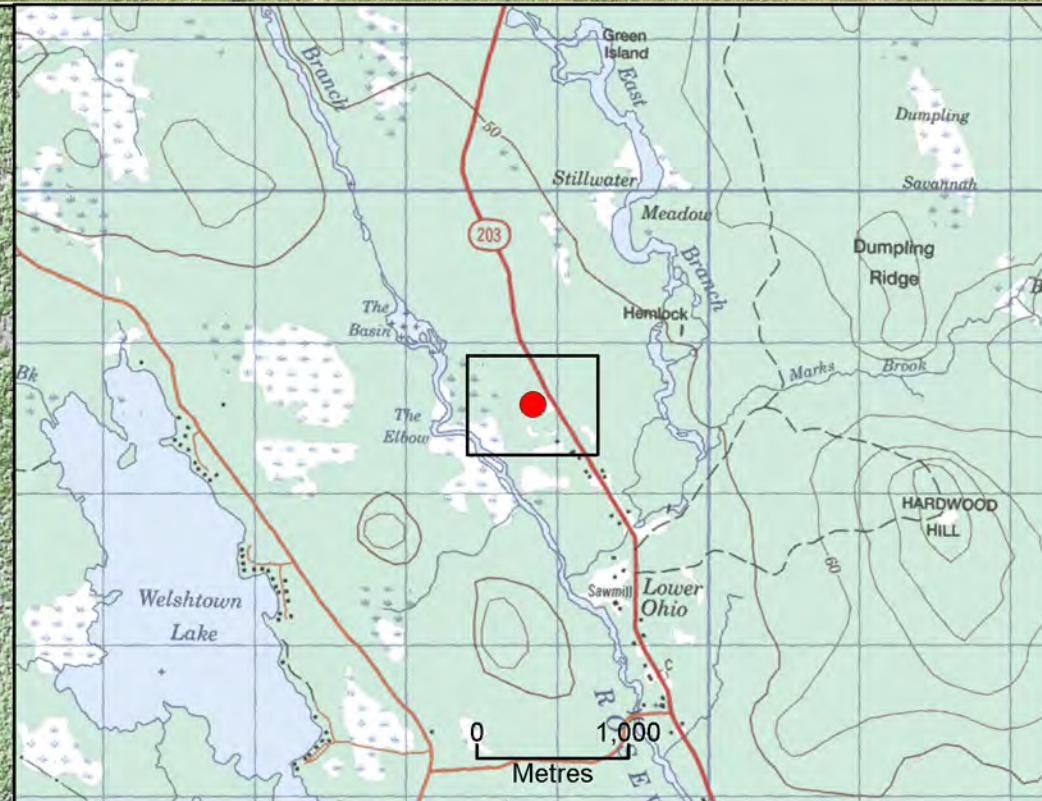
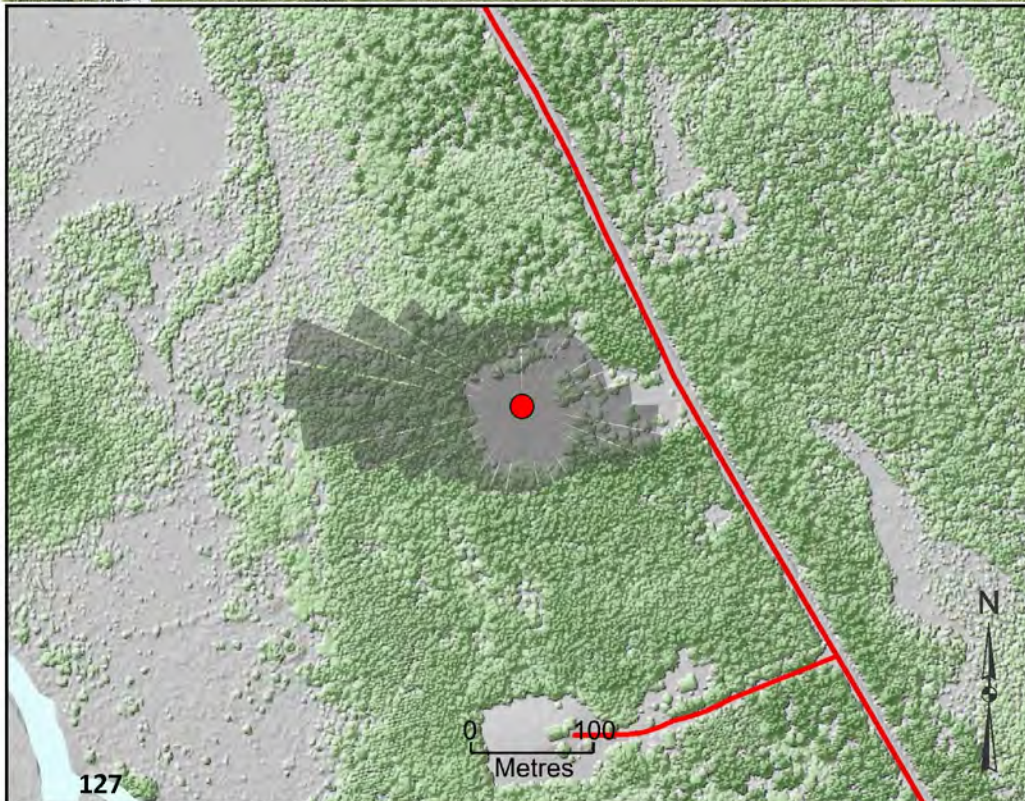
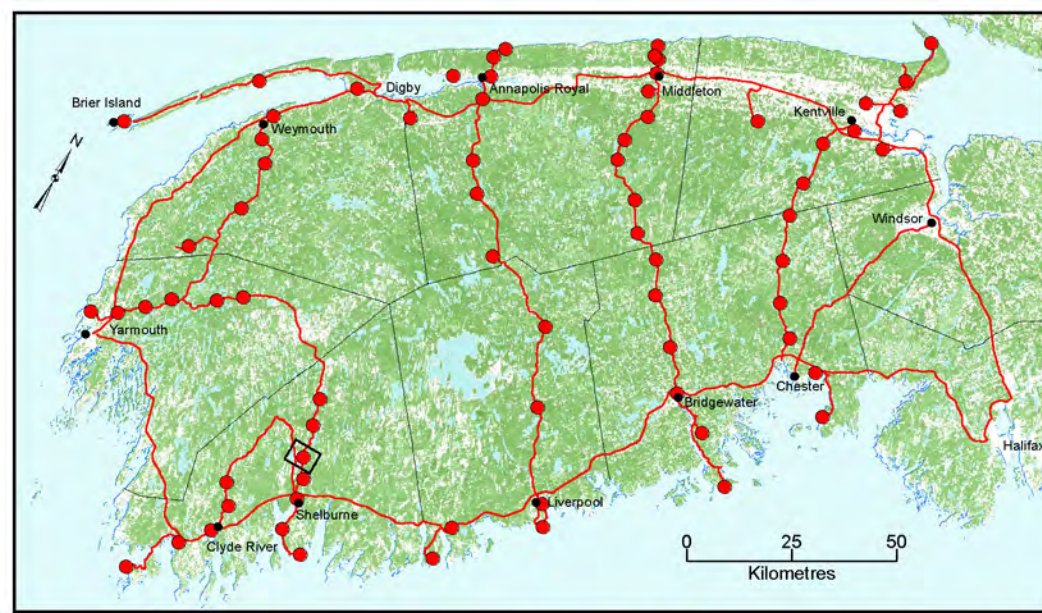
Deployed: 4/27/2011

Easting: 308845.032

Northing: 4858586.68

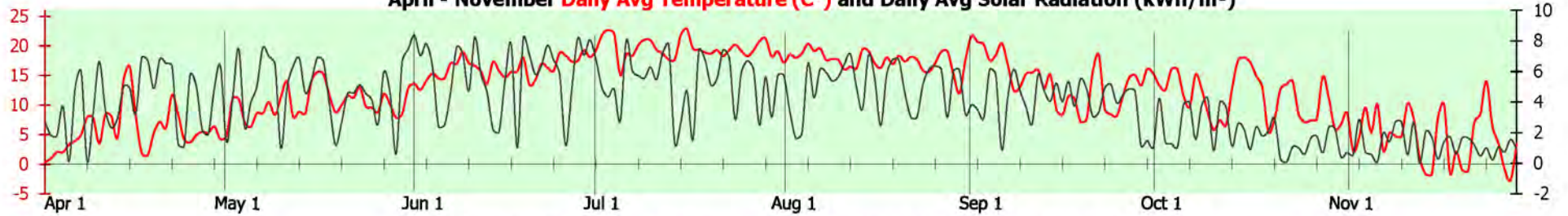
Height (m): 41.64

[UTM Zone 20, NAD 83]

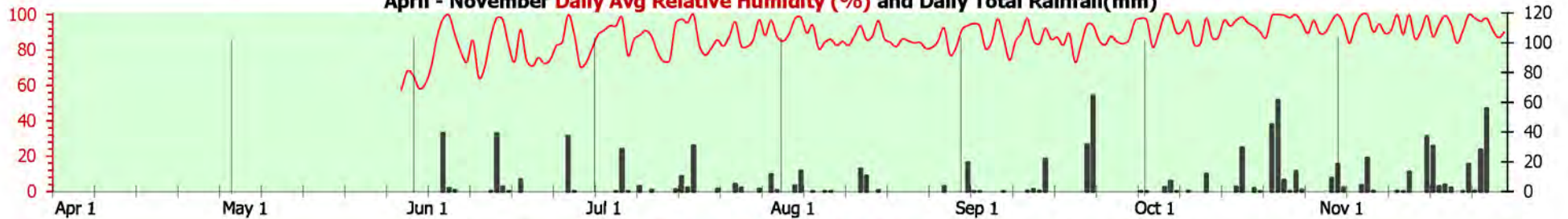


2014 Weather Data for Station SH5

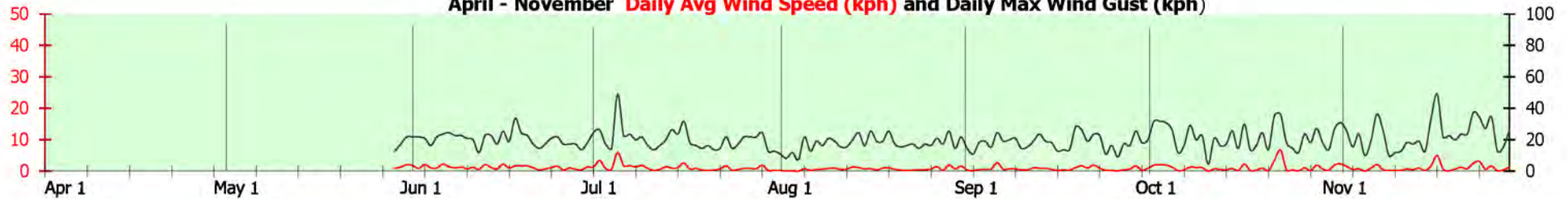
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

April 27, 2011

RH, Rain and Wind Sensors

May 29, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

September 19, 2014 23:55

Frost Free Duration:

112.8 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	7 [0]	0 [0]	-21.87	12.63	-3.18	-3.60	32.4	1.04	1.08			
February	0 [0]	0 [0]	-24.65	11.35	-3.45	-3.78	62.0	2.21	2.17			
March	3 [0]	0 [0]	-22.12	13.50	-1.96	-2.70	97.1	3.13	3.17			
April	67 [0]	15 [0]	-4.68	23.42	5.78	5.02	121.7	4.06	3.92			
May	178 [11]	49 [3]	-1.50	24.41	10.26	9.62	148.3	4.79	4.97	0.0	1.5	21.8
June	340 [340]	190 [190]	0.93	32.25	16.13	15.56	174.3	5.81	5.80	130.8	1.2	33.5
July	466 [466]	311 [311]	8.17	29.99	19.60	19.29	165.1	5.33	5.45	101.8	1.2	49.0
August	400 [400]	245 [245]	1.02	28.57	17.53	17.43	157.9	5.09	5.04	48.6	0.7	25.4
September	276 [188]	134 [97]	-4.11	29.07	14.05	14.48	126.5	4.22	4.26	141.0	0.7	28.1
October	199 [0]	74 [0]	-2.22	25.23	11.62	11.68	64.4	2.08	2.17	187.0	1.1	36.3
November	45 [0]	3 [0]	-9.03	17.13	4.54	4.34	38.1	1.27	1.21	252.4	1.1	49.0
December	14 [0]	1 [0]	-11.25	15.22	2.97	1.49	16.1	1.07	1.03	171.2	1.6	38.1
Totals, Averages or Extremes	1995 [1405]	1022 [846]	-24.65	32.25	7.82	7.40	1204.1	40.11	40.26	1032.8	1.1	49.0

Southwest NS Weather Study

Station Description

Station ID: SH6 (O)

Location: Middle Ohio

County: Shelburne

Contact: Ted Siegel

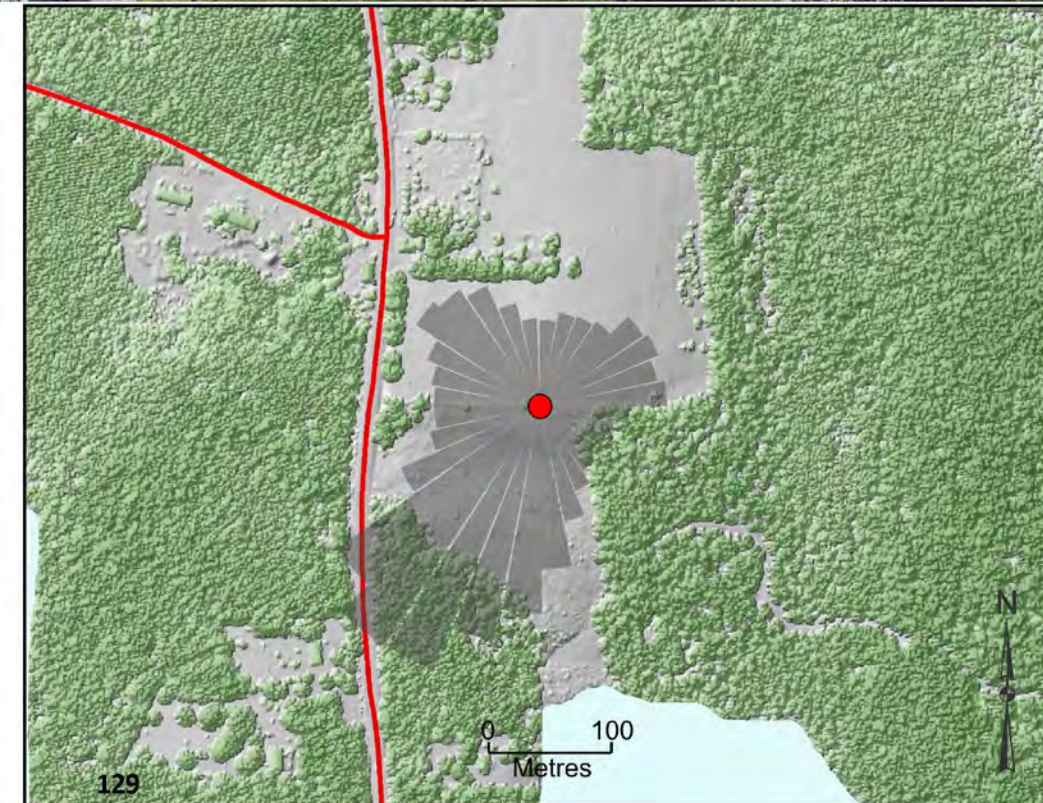
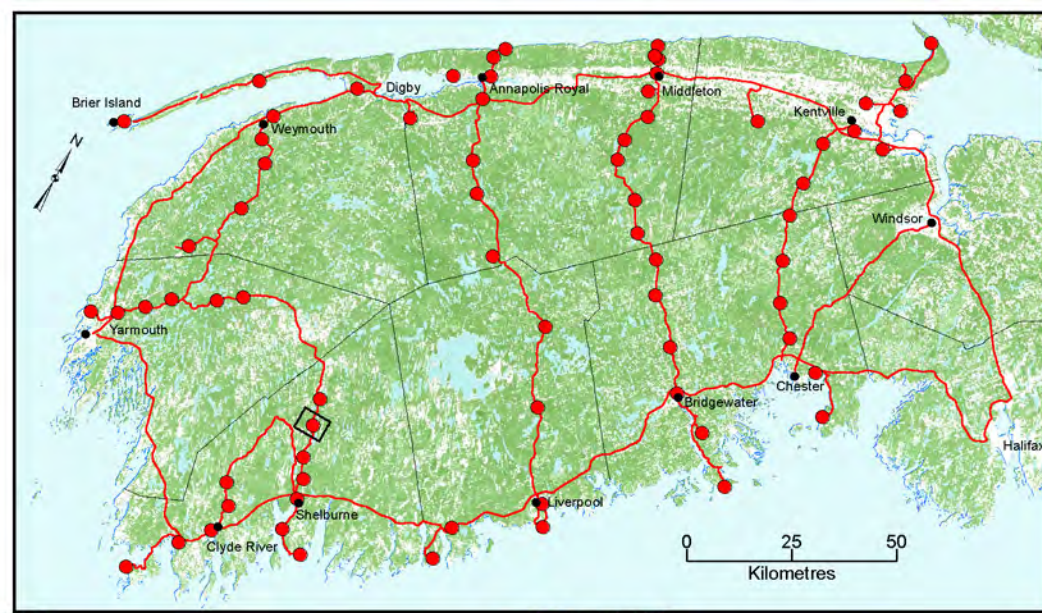
Deployed: 4/27/2011

Easting: 306997.269

Northing: 4866344.991

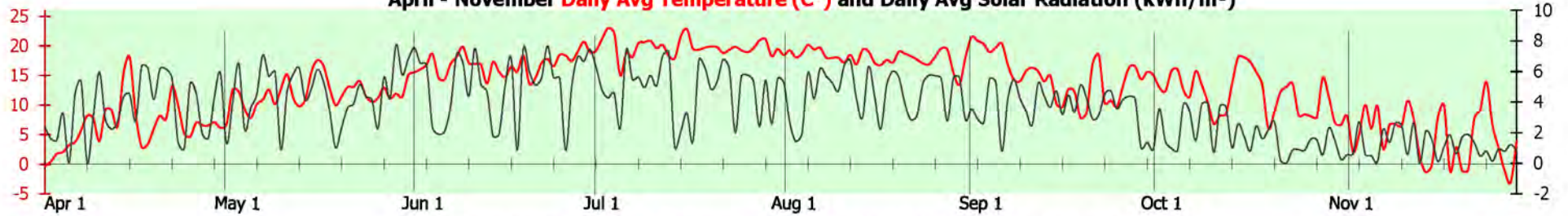
Height (m): 78.06

[UTM Zone 20, NAD 83]

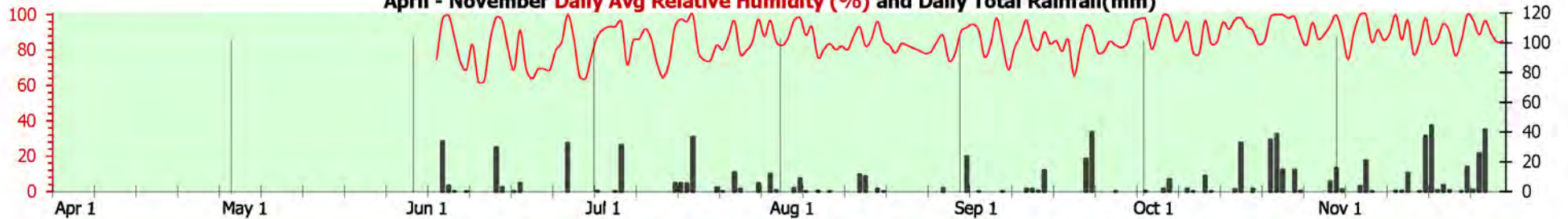


2014 Weather Data for Station SH6

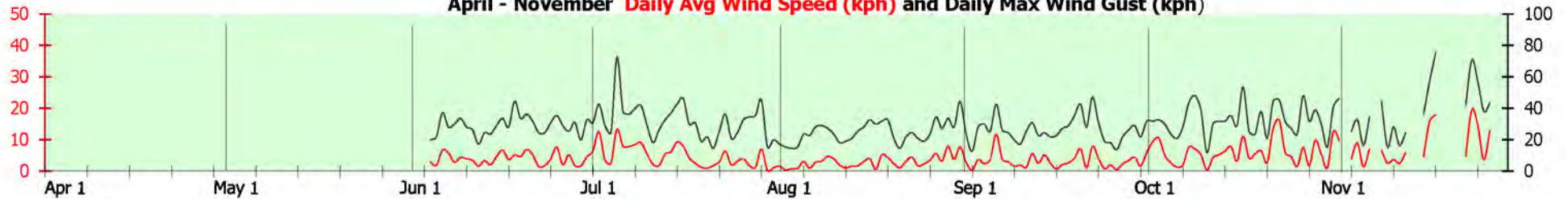
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

April 27, 2011

RH, Rain and Wind Sensors

June 4, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 15, 2014 03:30

Frost Free Duration:

198.9 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	10 [0]	0 [0]	-18.88	12.63	-3.15	-3.60	30.5	0.98	1.08			
February	1 [0]	0 [0]	-18.16	11.59	-3.33	-3.78	58.6	2.09	2.17			
March	3 [0]	0 [0]	-19.47	12.58	-2.06	-2.70	89.5	2.89	3.17			
April	88 [3]	19 [0]	-2.68	23.45	6.60	5.02	109.2	3.64	3.92			
May	234 [234]	85 [85]	1.24	26.43	12.01	9.62	140.7	4.54	4.97			
June	366 [366]	216 [216]	5.28	31.28	16.89	15.56	154.0	5.13	5.80	108.6	3.9	44.4
July	477 [477]	322 [322]	10.93	30.14	19.80	19.29	151.0	4.87	5.45	121.0	4.9	72.5
August	422 [422]	267 [267]	4.32	28.17	18.04	17.43	143.6	4.63	5.04	37.2	3.0	44.4
September	310 [310]	166 [166]	-1.58	28.37	14.92	14.48	113.8	3.79	4.26	104.6	3.2	47.1
October	218 [218]	81 [81]	-0.17	24.00	12.10	11.68	59.6	1.92	2.17	163.2	5.8	53.5
November	52 [26]	4 [0]	-6.77	17.37	4.89	4.34	36.6	1.22	1.21	235.4	8.7	75.2
December	17 [0]	3 [0]	-11.01	14.58	1.95	1.49	20.2	0.92	1.03	145.4	8.3	51.7
Totals, Averages or Extremes	2198 [2056]	1163 [1137]	-19.47	31.28	8.22	7.40	1107.3	36.63	40.26	915.4	5.4	75.2

Southwest NS Weather Study

Station Description

Station ID: SH7 (O)

Location: Upper Ohio

County: Shelburne

Contact: Leonard Bower

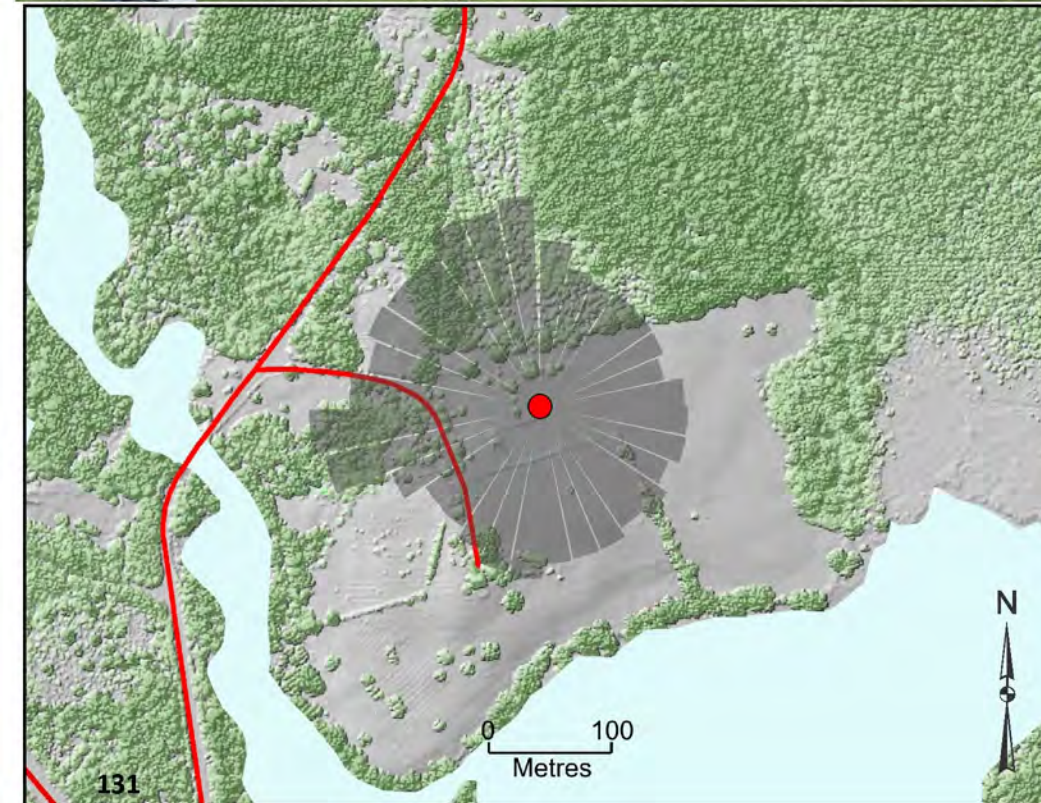
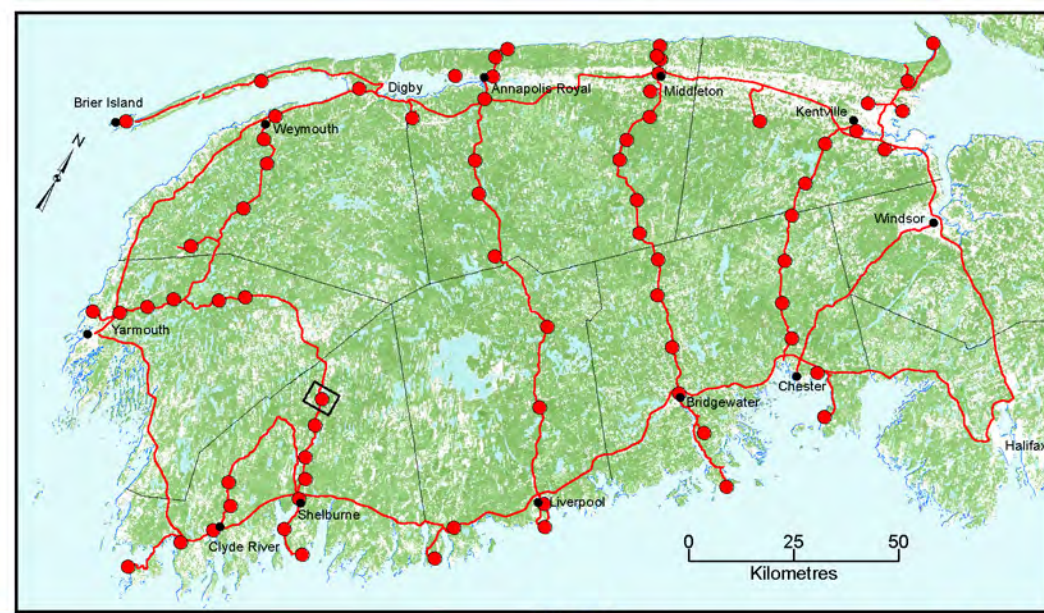
Deployed: 4/27/2011

Easting: 305399.177

Northing: 4872560.026

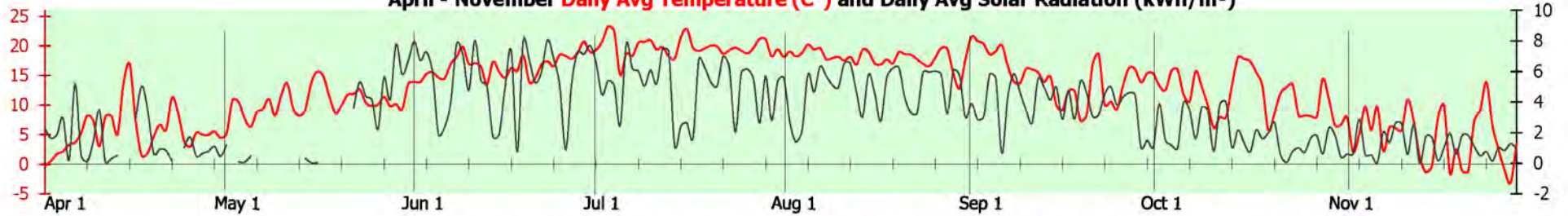
Height (m): 79.43

[UTM Zone 20, NAD 83]

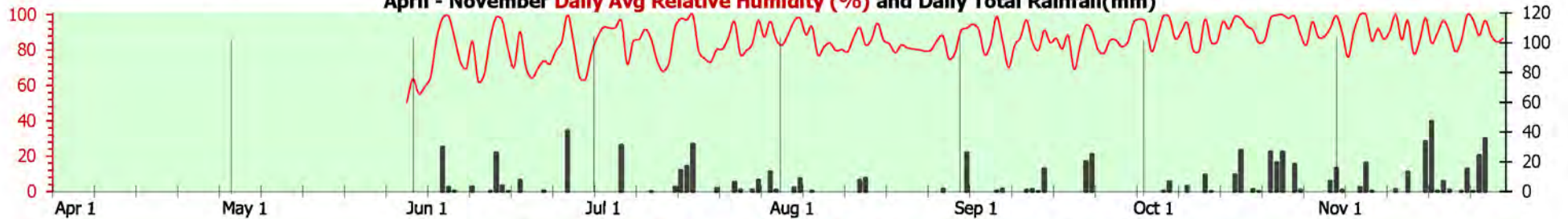


2014 Weather Data for Station SH7

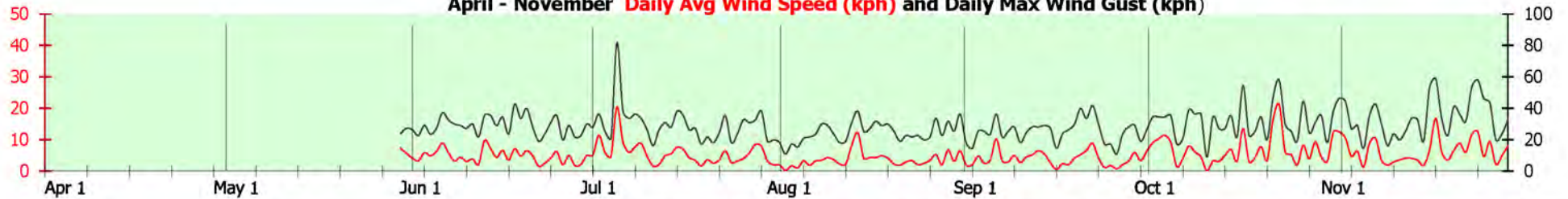
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall (mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

April 27, 2011

RH, Rain and Wind Sensors

May 30, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

September 20, 2014 05:50

Frost Free Duration:

129 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	12 [0]	0 [0]	-19.29	12.97	-3.16	-3.60	33.6	1.09	1.08			
February	1 [0]	0 [0]	-21.82	11.88	-3.51	-3.78	58.9	2.10	2.17			
March	7 [0]	0 [0]	-19.98	12.65	-1.92	-2.70	93.2	3.01	3.17			
April	57 [0]	12 [0]	-2.89	21.46	5.57	5.02	49.1	1.82	3.92			
May	182 [122]	47 [36]	-0.37	28.79	10.49	9.62	53.9	2.99	4.97	0.0	6.6	27.2
June	351 [351]	201 [201]	2.85	31.82	16.57	15.56	166.7	5.56	5.80	115.8	4.7	42.6
July	473 [473]	318 [318]	10.20	29.77	19.78	19.29	156.8	5.06	5.45	130.6	5.7	81.6
August	416 [416]	261 [261]	3.46	27.73	17.97	17.43	149.9	4.84	5.04	30.0	3.7	38.1
September	292 [198]	149 [105]	-2.57	27.97	14.70	14.48	119.4	3.98	4.26	92.0	3.9	41.7
October	207 [0]	77 [0]	-0.79	22.54	11.90	11.68	59.8	1.93	2.17	155.4	6.6	58.0
November	50 [0]	5 [0]	-6.96	17.99	4.70	4.34	36.7	1.22	1.21	226.2	6.7	58.9
December	24 [0]	3 [0]	-14.55	17.34	1.97	1.49	33.2	1.07	1.03	220.8	7.2	60.7
Totals, Averages or Extremes	2072 [1560]	1073 [921]	-21.82	31.82	7.92	7.40	1011.2	34.66	40.26	970.8	5.6	81.6

Southwest NS Weather Study

Station Description

Station ID: WE1 (O)

Location: Sandy Cove

County: Digby

Contact: Andre D'Entremont

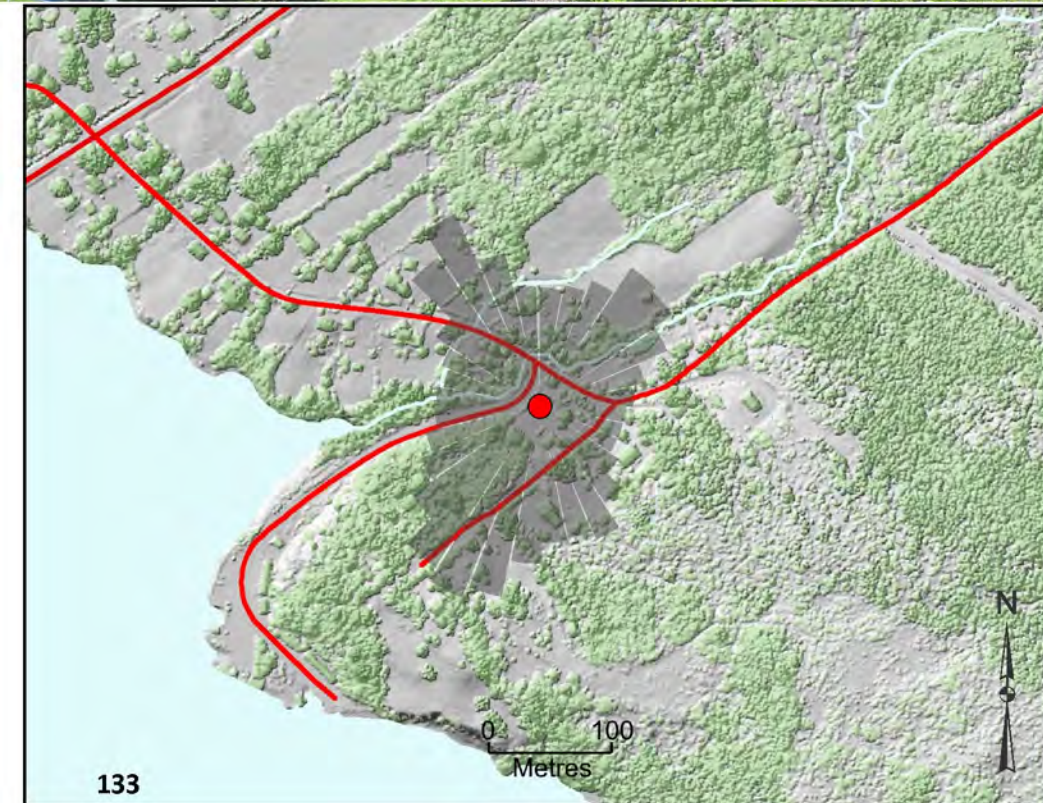
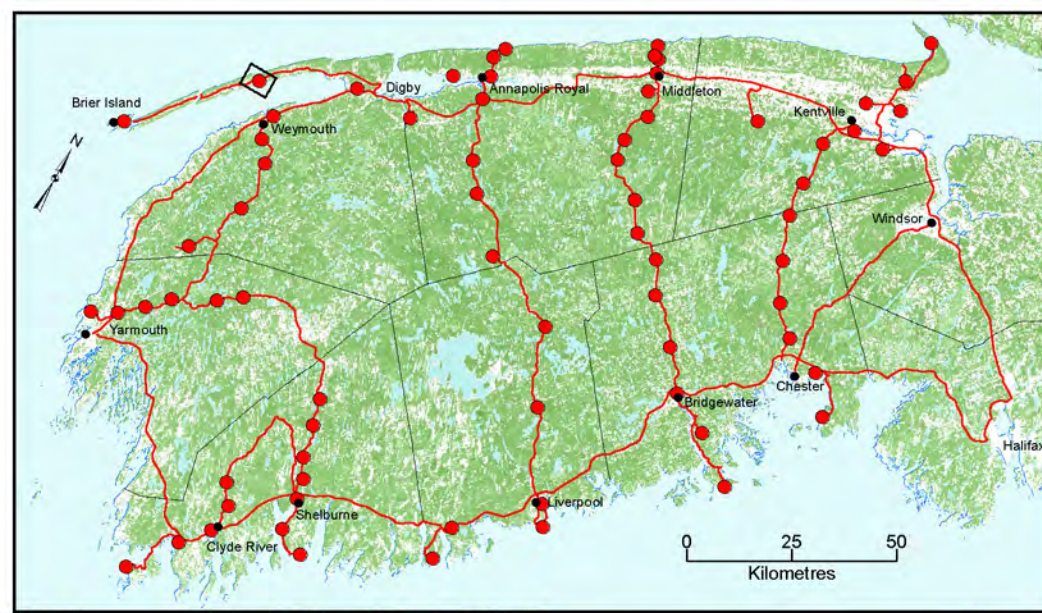
Deployed: 5/11/2011

Easting: 255361.508

Northing: 4930562.921

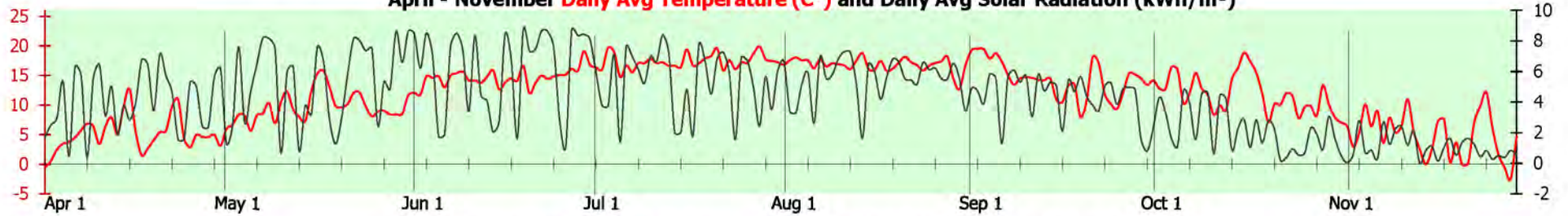
Height (m): 21.1

[UTM Zone 20, NAD 83]

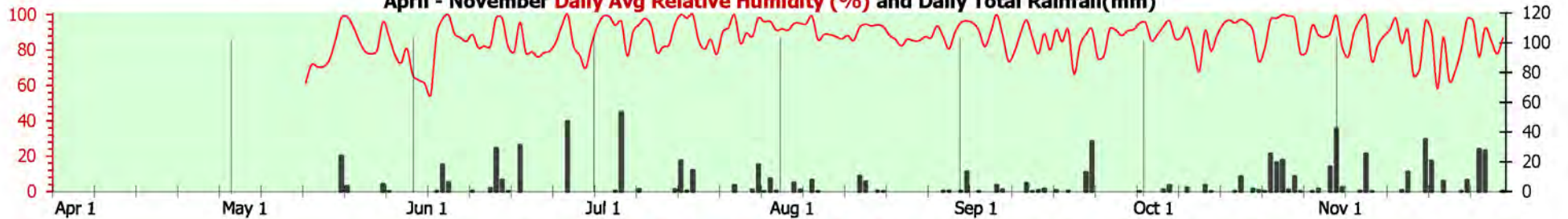


2014 Weather Data for Station WE1

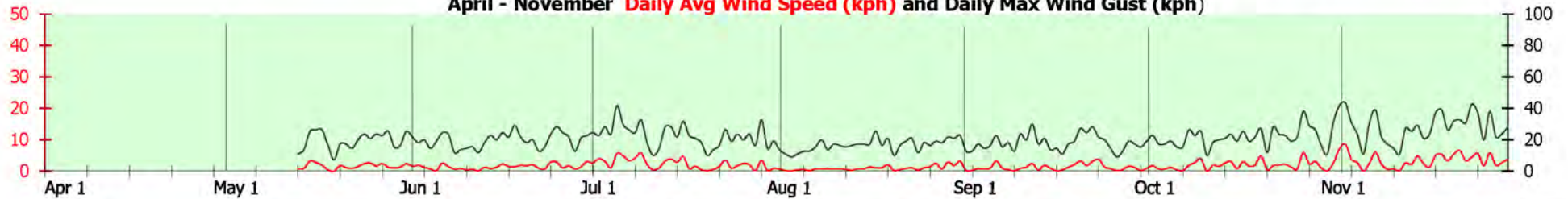
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 11, 2011

RH, Rain and Wind Sensors

May 13, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 16, 2014 05:00

Frost Free Duration:

170.9 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	10 [0]	0 [0]	-15.71	12.36	-2.42	-3.60	28.6	0.92	1.08			
February	0 [0]	0 [0]	-17.68	8.89	-2.53	-3.78	59.3	2.12	2.17			
March	1 [0]	0 [0]	-15.91	9.95	-1.82	-2.70	103.4	3.33	3.17			
April	43 [0]	5 [0]	-2.60	17.51	5.12	5.02	124.0	4.13	3.92			
May	155 [12]	32 [1]	-0.82	22.20	9.67	9.62	166.0	5.36	4.97	32.6	1.6	26.3
June	300 [300]	150 [150]	3.12	28.15	14.66	15.56	187.1	6.24	5.80	142.6	1.4	29.0
July	394 [394]	239 [239]	9.31	26.06	17.35	19.29	165.8	5.35	5.45	125.8	2.4	41.7
August	384 [384]	229 [229]	5.57	25.96	16.81	17.43	172.8	5.57	5.04	34.4	1.0	25.4
September	282 [282]	137 [137]	0.61	25.79	14.38	14.48	135.3	4.51	4.26	76.0	1.2	29.9
October	211 [211]	75 [75]	1.99	24.63	12.06	11.68	71.6	2.31	2.17	105.0	1.8	38.1
November	40 [21]	3 [1]	-4.50	16.03	5.00	4.34	33.0	1.10	1.21	227.8	3.5	43.5
December	23 [0]	2 [0]	-9.78	14.77	2.30	1.49	27.8	0.90	1.03	198.0	3.0	39.0
Totals, Averages or Extremes	1843 [1604]	872 [832]	-17.68	28.15	7.55	7.40	1274.7	41.84	40.26	942.2	2.0	43.5

Southwest NS Weather Study

Station Description

Station ID: WE2 (O)

Location: Weymouth North

County: Digby

Contact: Paul Weaver

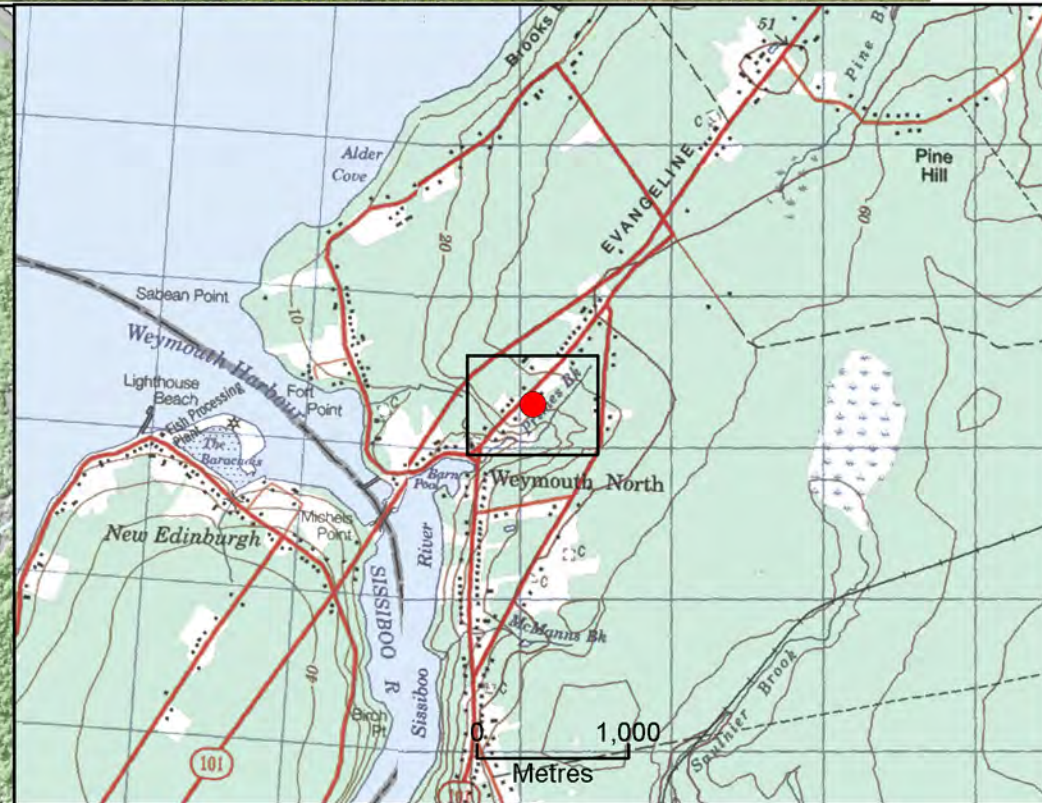
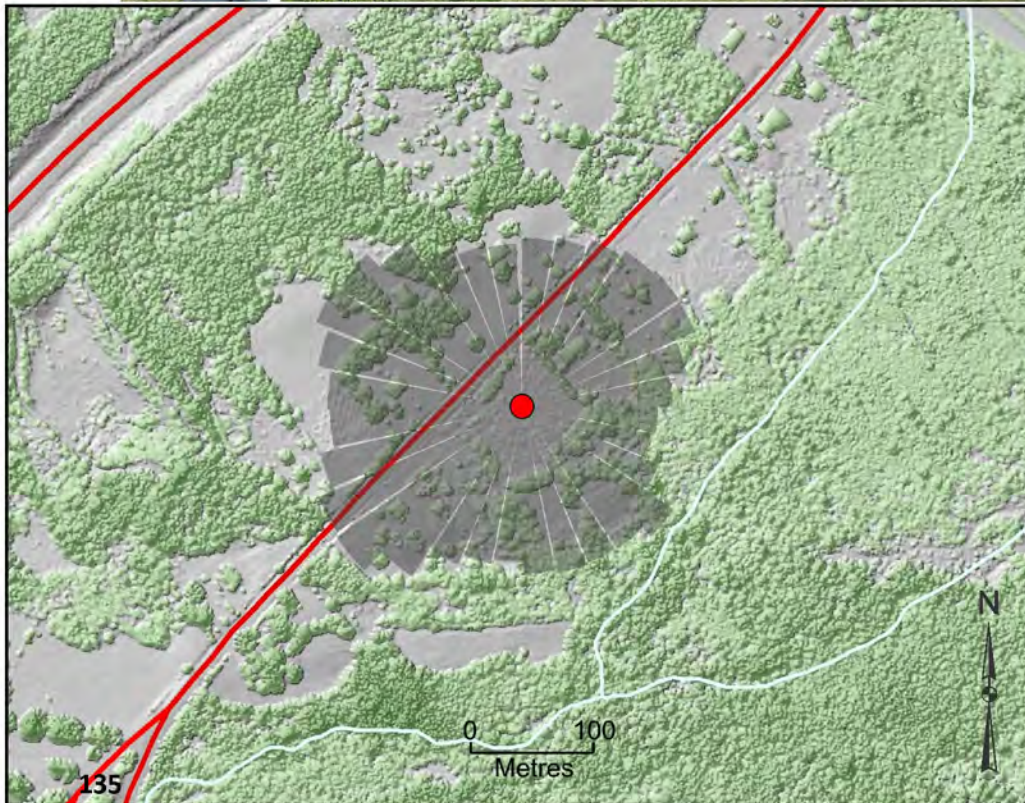
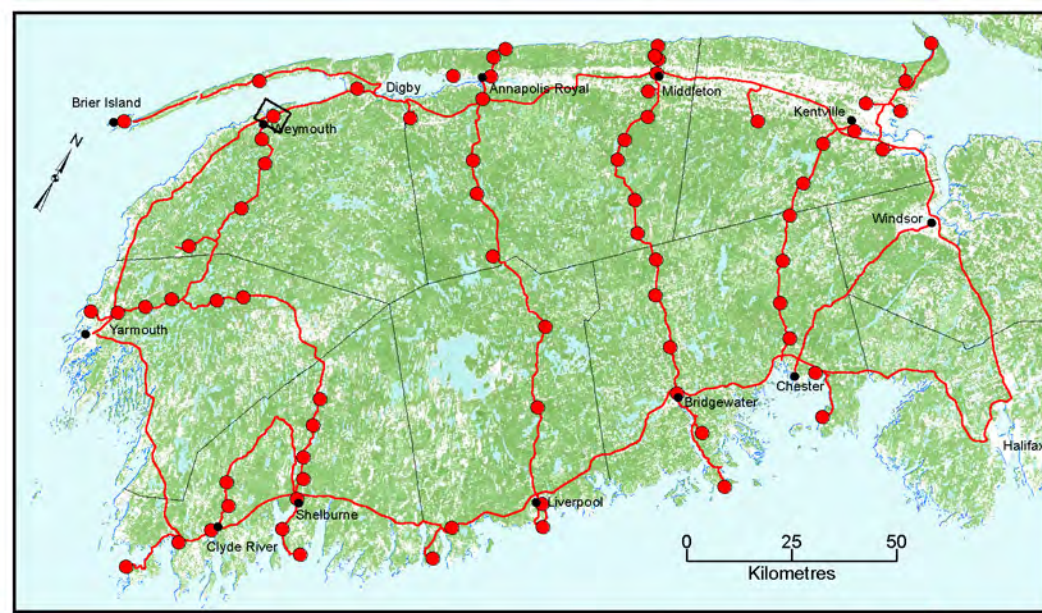
Deployed: 4/29/2011

Easting: 262055.721

Northing: 4925286.337

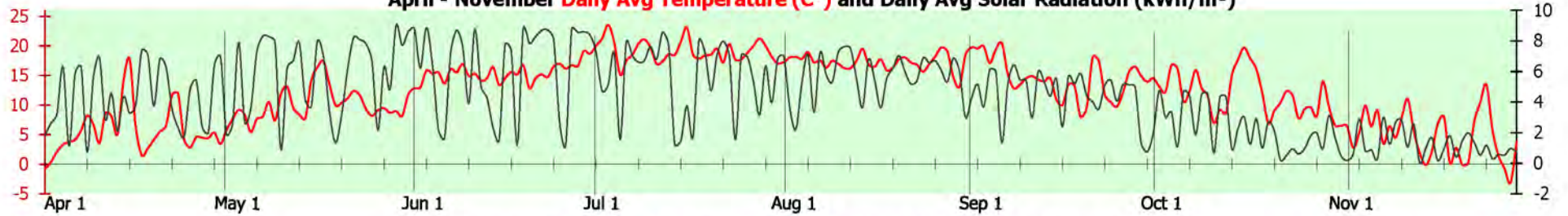
Height (m): 36.24

[UTM Zone 20, NAD 83]

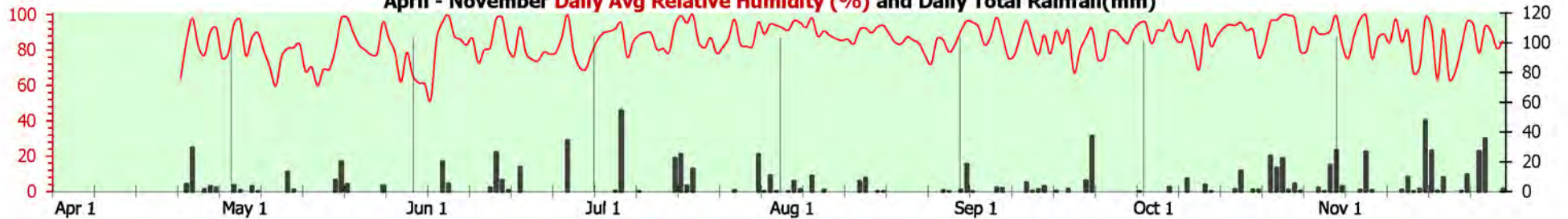


2014 Weather Data for Station WE2

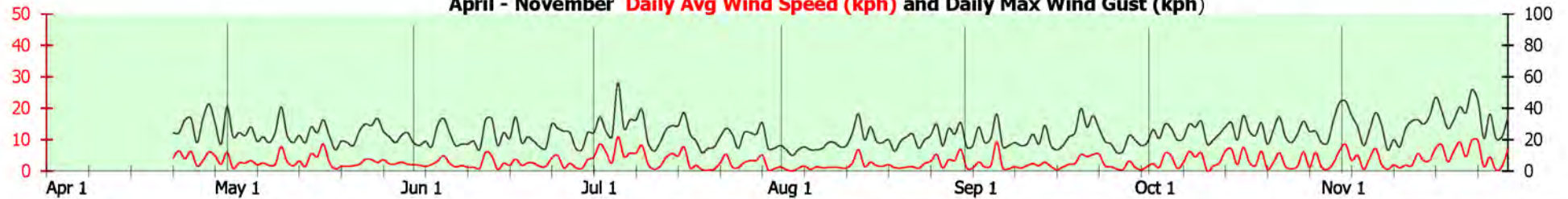
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

April 29, 2011

RH, Rain and Wind Sensors

April 22, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 16, 2014 04:40

Frost Free Duration:

168.9 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	16 [0]	0 [0]	-18.47	14.19	-2.58	-3.60	31.4	1.01	1.08			
February	0 [0]	0 [0]	-17.04	10.69	-2.96	-3.78	60.9	2.18	2.17			
March	2 [0]	0 [0]	-17.42	11.18	-2.05	-2.70	108.3	3.49	3.17			
April	56 [0]	17 [0]	-4.38	22.11	5.69	5.02	130.2	4.34	3.92	42.2	4.3	42.6
May	160 [5]	39 [0]	-1.64	24.39	10.05	9.62	179.5	5.79	4.97	60.0	3.0	40.8
June	311 [311]	161 [161]	3.91	27.24	15.45	15.56	190.6	6.35	5.80	113.6	2.4	34.4
July	443 [443]	288 [288]	9.29	27.85	19.16	19.29	178.1	5.75	5.45	158.8	3.7	56.2
August	385 [385]	230 [230]	4.95	26.23	17.23	17.43	178.1	5.75	5.04	38.8	2.0	36.3
September	280 [280]	138 [138]	0.61	26.79	14.53	14.48	137.5	4.58	4.26	82.4	2.3	39.9
October	217 [217]	85 [85]	-0.20	26.01	12.10	11.68	74.0	2.39	2.17	106.2	3.3	35.4
November	46 [23]	7 [2]	-5.57	18.20	4.87	4.34	37.0	1.23	1.21	251.8	4.4	51.7
December	25 [0]	3 [0]	-9.99	17.61	2.10	1.49	33.0	1.06	1.03	199.0	4.5	49.0
Totals, Averages or Extremes	1941 [1664]	968 [904]	-18.47	27.85	7.80	7.40	1338.6	43.92	40.26	1052.8	3.3	56.2

Southwest NS Weather Study

Station Description

Station ID: WE3 (O)

Location: Weaver Settlement

County: Digby

Contact: Andrew Weaver

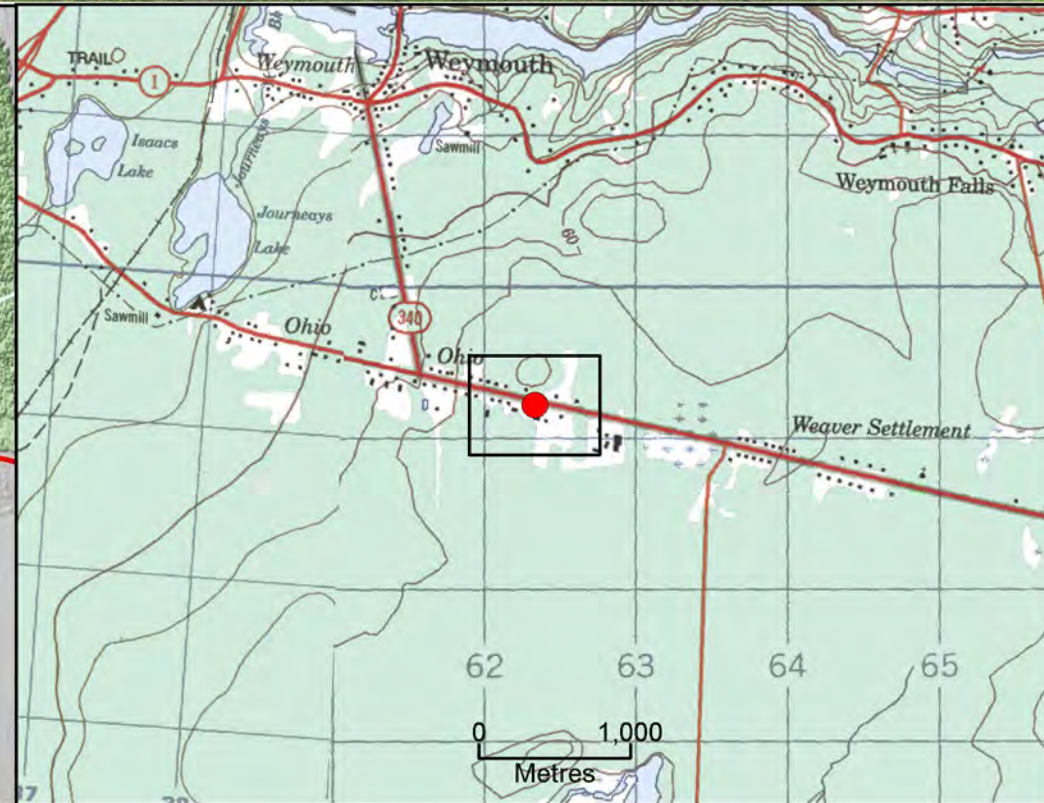
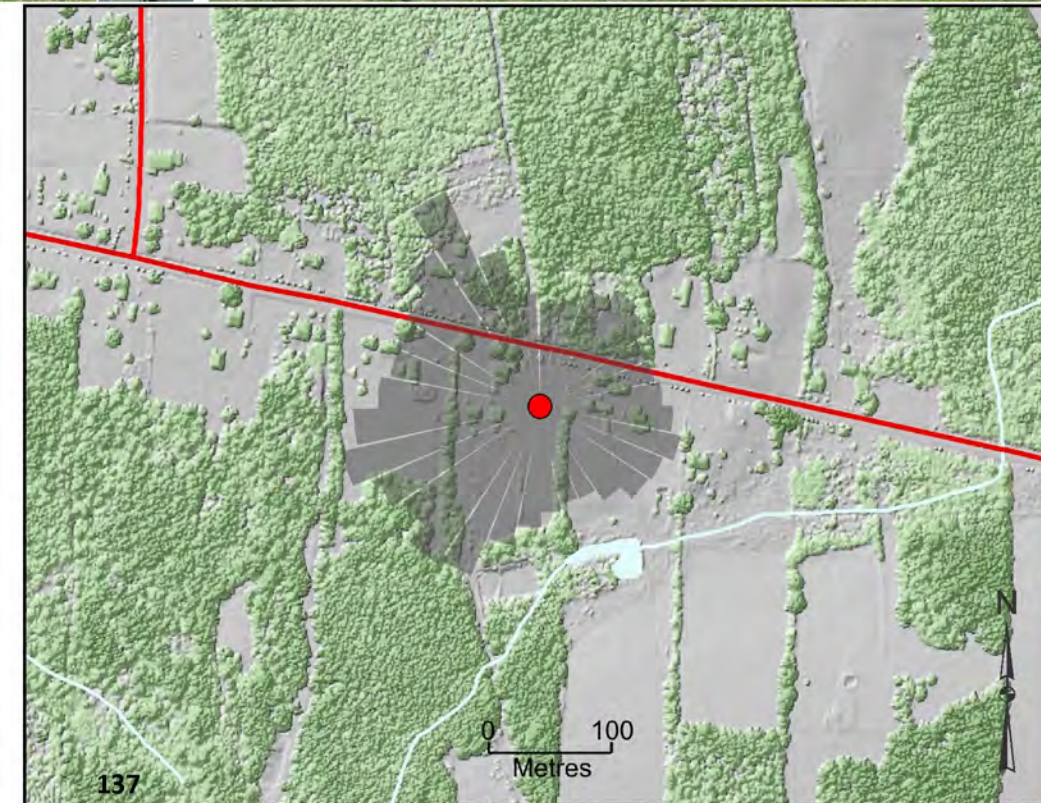
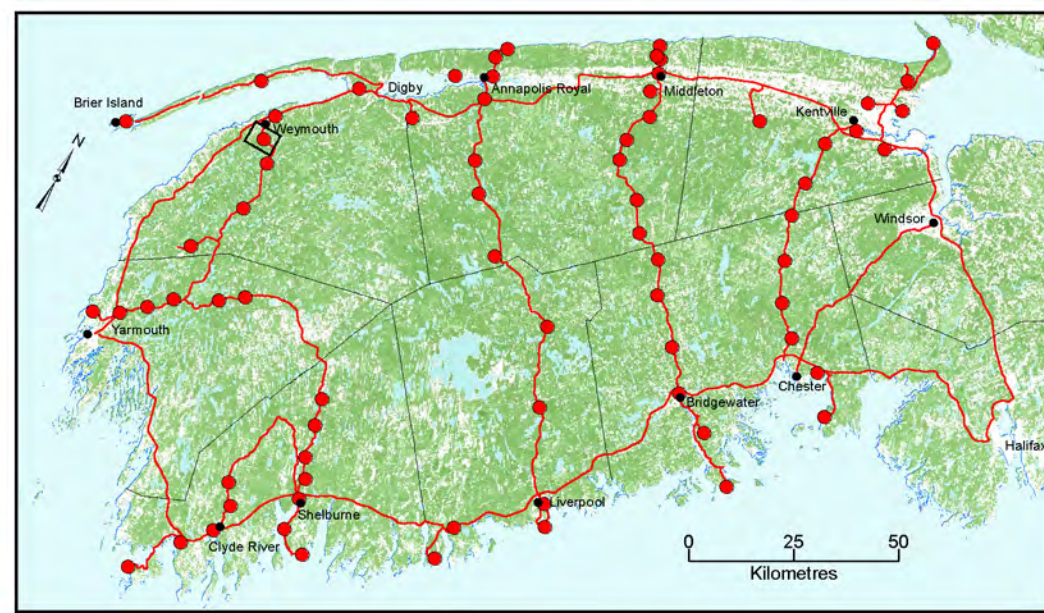
Deployed: 4/21/2011

Easting: 262308.915

Northing: 4919209.907

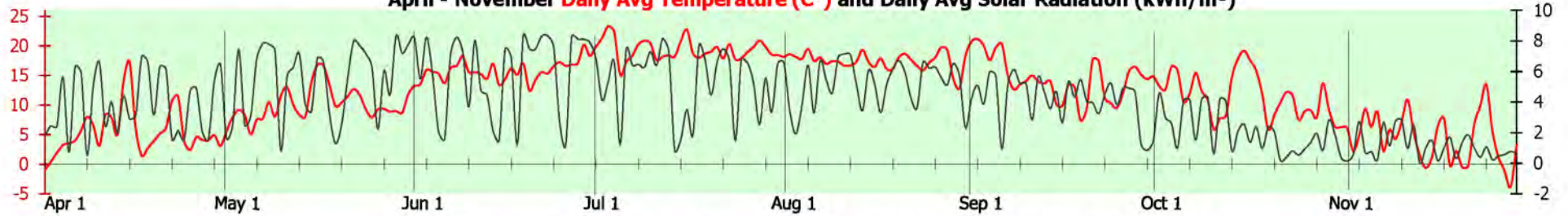
Height (m): 76.24

[UTM Zone 20, NAD 83]

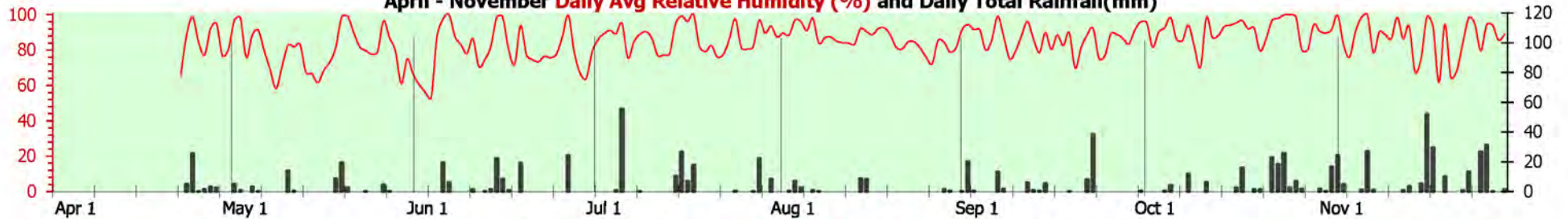


2014 Weather Data for Station WE3

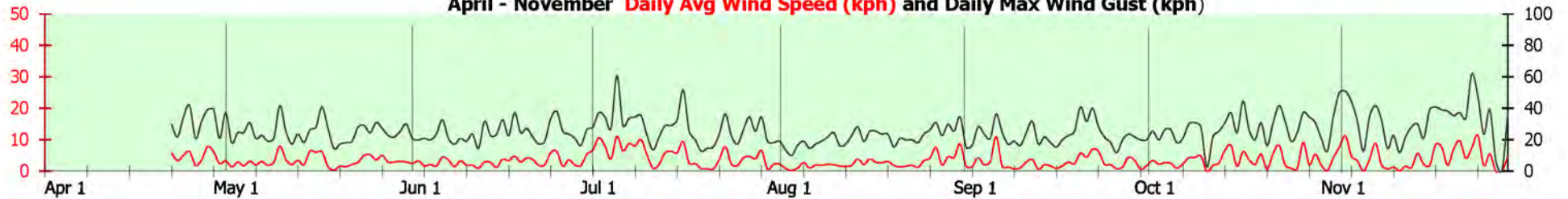
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

April 21, 2011

RH, Rain and Wind Sensors

April 22, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 08, 2014 21:30

Frost Free Duration:

163.6 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	14 [0]	0 [0]	-18.39	13.67	-2.79	-3.60	29.3	0.94	1.08			
February	0 [0]	0 [0]	-18.92	11.22	-3.24	-3.78	57.9	2.07	2.17			
March	2 [0]	0 [0]	-18.56	10.91	-2.37	-2.70	99.7	3.22	3.17			
April	52 [0]	15 [0]	-3.75	21.32	5.44	5.02	118.0	3.93	3.92	38.2	4.7	41.7
May	161 [12]	37 [0]	-1.50	23.57	10.06	9.62	166.2	5.36	4.97	59.4	3.2	41.7
June	324 [324]	174 [174]	3.83	28.97	15.76	15.56	179.2	5.97	5.80	103.2	2.9	38.1
July	453 [453]	298 [298]	9.68	27.70	19.35	19.29	166.8	5.38	5.45	149.8	5.0	60.7
August	396 [396]	241 [241]	4.01	27.78	17.42	17.43	164.2	5.30	5.04	30.6	2.6	34.5
September	281 [281]	140 [140]	0.58	28.72	14.48	14.48	129.4	4.31	4.26	95.4	2.8	40.8
October	211 [211]	83 [83]	-0.56	25.50	11.75	11.68	67.3	2.17	2.17	125.2	3.4	44.4
November	41 [10]	5 [0]	-6.87	17.63	4.44	4.34	34.4	1.15	1.21	249.2	4.3	61.6
December	24 [0]	3 [0]	-10.27	17.37	1.74	1.49	31.5	1.02	1.03	221.4	3.8	59.8
Totals, Averages or Extremes	1959 [1687]	996 [936]	-18.92	28.97	7.67	7.40	1243.9	40.82	40.26	1072.4	3.6	61.6

Southwest NS Weather Study

Station Description

Station ID: WE4 (O)

Location: Hassett

County: Digby

Contact: N. & D. Russell

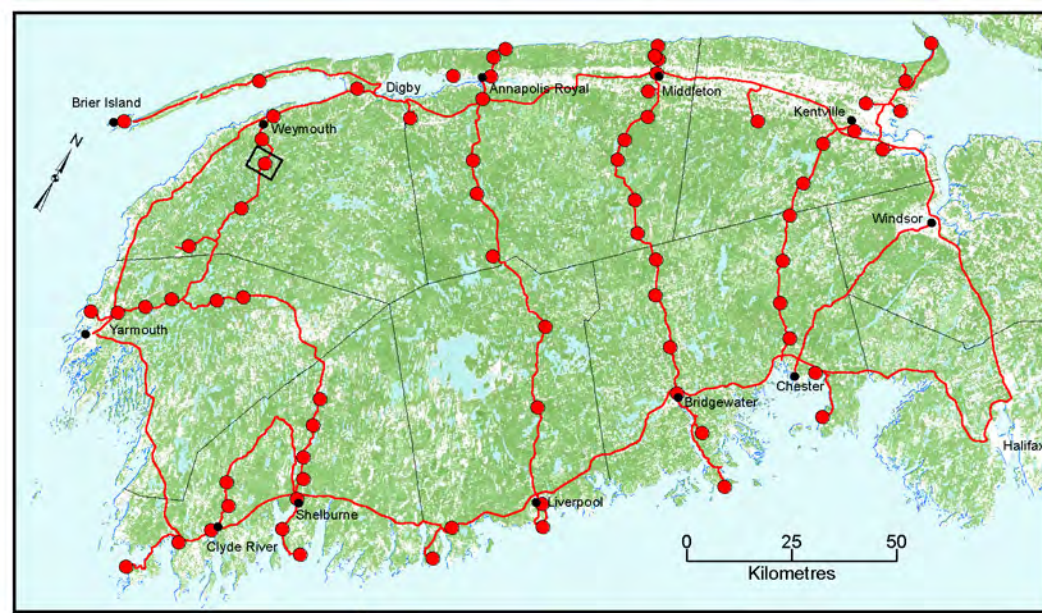
Deployed: 4/29/2011

Easting: 265906.968

Northing: 4914573.475

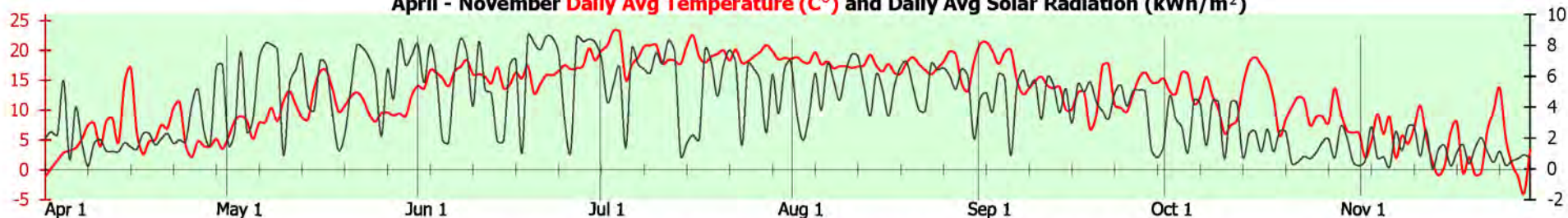
Height (m): 82.43

[UTM Zone 20, NAD 83]

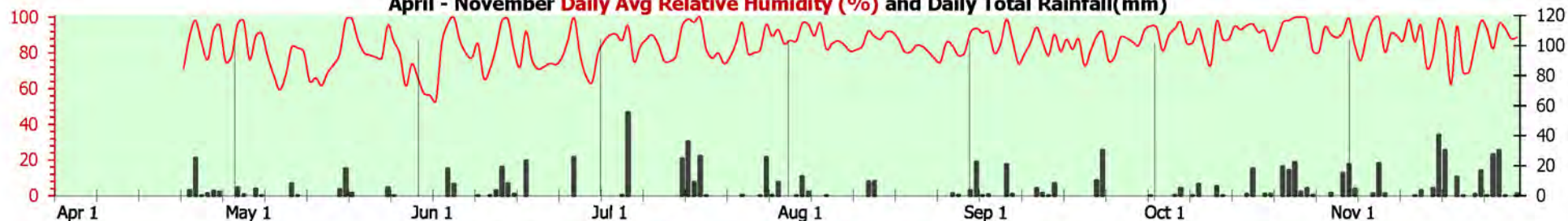


2014 Weather Data for Station WE4

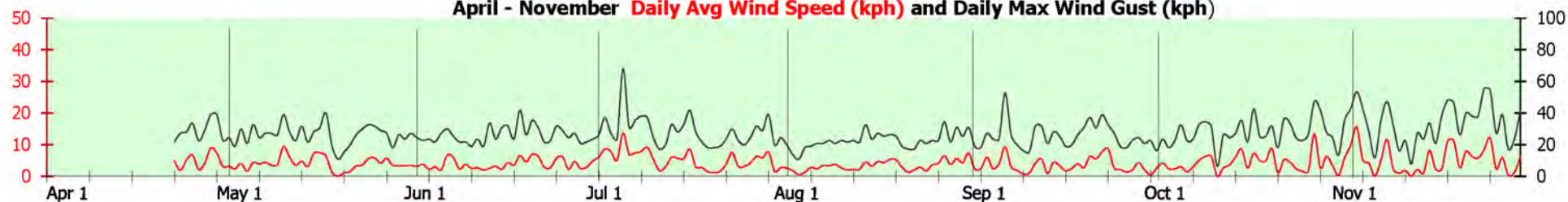
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

April 29, 2011

RH, Rain and Wind Sensors

April 22, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 15, 2014 07:10

Frost Free Duration:

170 days

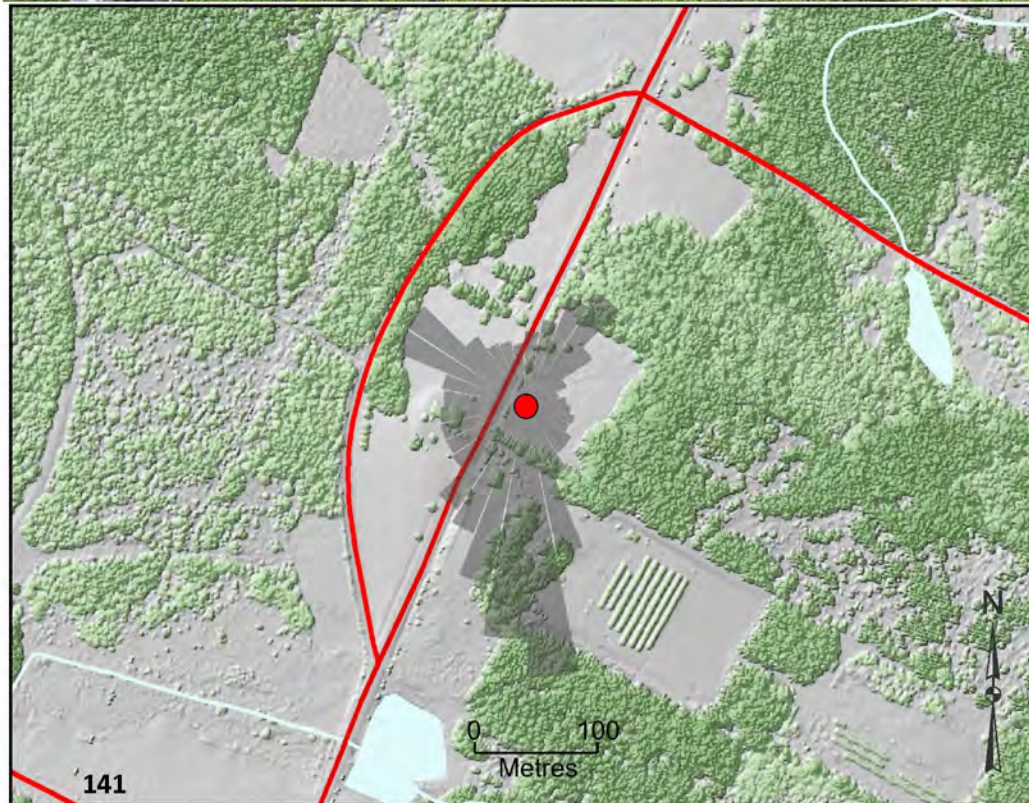
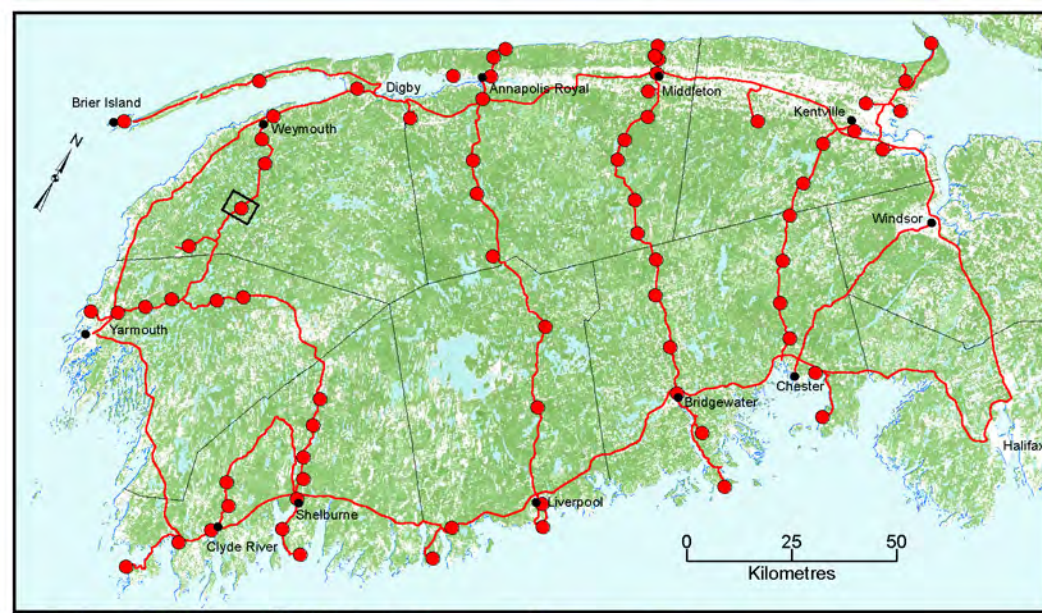
2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	9 [0]	0 [0]	-18.25	12.80	-2.43	-3.60	23.9	0.77	1.08			
February	0 [0]	0 [0]	-13.97	6.20	-2.73	-3.78	35.9	1.28	2.17			
March	3 [0]	0 [0]	-15.67	12.92	-2.05	-2.70	46.8	1.51	3.17			
April	77 [0]	19 [0]	-7.06	27.92	5.69	5.02	74.1	2.47	3.92	36.2	4.9	39.0
May	172 [16]	41 [2]	-0.93	23.35	10.26	9.62	168.4	5.43	4.97	49.6	4.0	39.9
June	337 [337]	187 [187]	4.45	29.67	16.05	15.56	182.5	6.08	5.80	106.8	3.8	41.7
July	460 [460]	305 [305]	10.69	28.27	19.46	19.29	169.5	5.47	5.45	188.0	5.3	68.0
August	403 [403]	248 [248]	5.51	27.16	17.52	17.43	166.2	5.36	5.04	40.0	3.4	34.4
September	290 [290]	144 [144]	0.96	28.12	14.51	14.48	135.3	4.51	4.26	101.2	3.5	52.6
October	207 [207]	78 [78]	-0.42	24.97	11.76	11.68	70.0	2.26	2.17	109.6	4.2	47.1
November	40 [19]	5 [1]	-6.58	17.56	4.33	4.34	35.1	1.17	1.21	233.8	5.4	55.3
December	22 [0]	2 [0]	-10.83	17.23	1.64	1.49	31.9	1.03	1.03	211.4	4.7	50.8
Totals, Averages or Extremes	2020 [1732]	1029 [965]	-18.25	29.67	7.83	7.40	1139.6	37.35	40.26	1076.6	4.4	68.0

Southwest NS Weather Study

Station Description

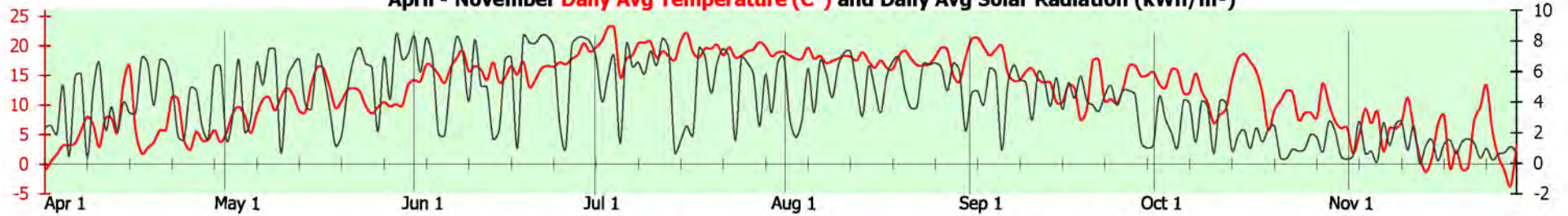
Station ID: WE5 (O)
Location: Corberrie
County: Digby
Contact: Kevin Gaudet
Deployed: 4/29/2011

Easting: 266306.648
Northing: 4902549.537
Height (m): 96.51
[UTM Zone 20, NAD 83]

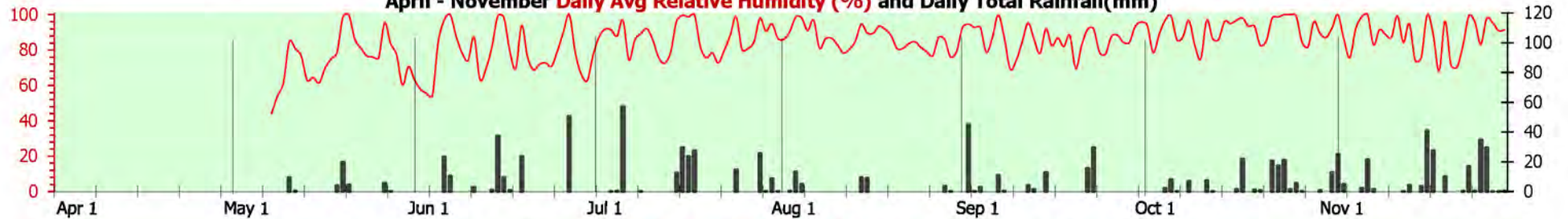


2014 Weather Data for Station WE5

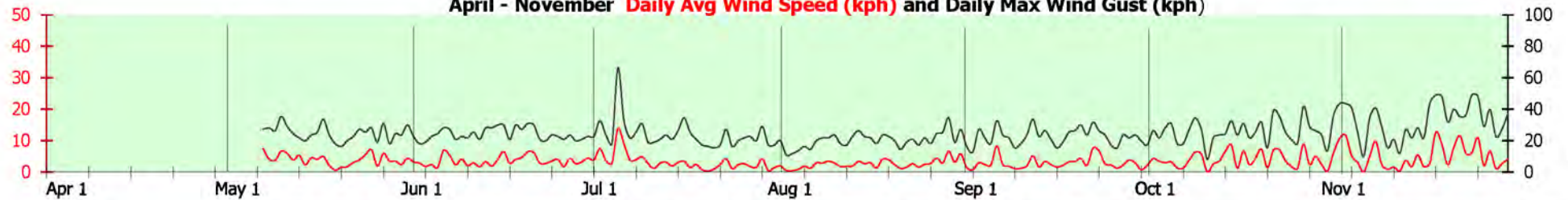
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

April 29, 2011

RH, Rain and Wind Sensors

May 7, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 15, 2014 07:13

Frost Free Duration:

185.1 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	10 [0]	0 [0]	-18.25	12.82	-3.12	-3.60	28.6	0.92	1.08			
February	0 [0]	0 [0]	-17.30	11.25	-3.46	-3.78	58.9	2.10	2.17			
March	3 [0]	0 [0]	-17.30	11.66	-2.44	-2.70	96.9	3.13	3.17			
April	56 [0]	14 [0]	-3.87	21.32	5.44	5.02	120.9	4.03	3.92			
May	190 [128]	51 [40]	-0.56	23.93	10.62	9.62	158.1	5.10	4.97	44.4	4.0	35.4
June	346 [346]	196 [196]	4.22	30.09	16.26	15.56	180.3	6.01	5.80	160.4	3.6	30.8
July	456 [456]	301 [301]	10.79	29.04	19.43	19.29	167.1	5.39	5.45	201.2	3.2	66.2
August	408 [408]	253 [253]	6.81	27.53	17.67	17.43	162.2	5.23	5.04	41.4	2.6	34.4
September	301 [301]	156 [156]	-0.09	28.20	14.82	14.48	133.1	4.44	4.26	123.4	2.9	33.5
October	220 [220]	84 [84]	1.59	24.63	11.95	11.68	64.7	2.09	2.17	117.2	3.9	41.7
November	46 [23]	4 [1]	-6.33	17.32	4.51	4.34	35.2	1.17	1.21	237.4	5.2	49.0
December	23 [0]	3 [0]	-11.40	16.65	1.64	1.49	30.7	0.99	1.03	233.0	5.0	49.9
Totals, Averages or Extremes	2059 [1882]	1062 [1031]	-18.25	30.09	7.78	7.40	1236.8	40.60	40.26	1158.5	3.8	66.2

Southwest NS Weather Study

Station Description

Station ID: WE6 (O)

Location: Hectanooga

County: Digby

Contact: R. & H. Zwaga

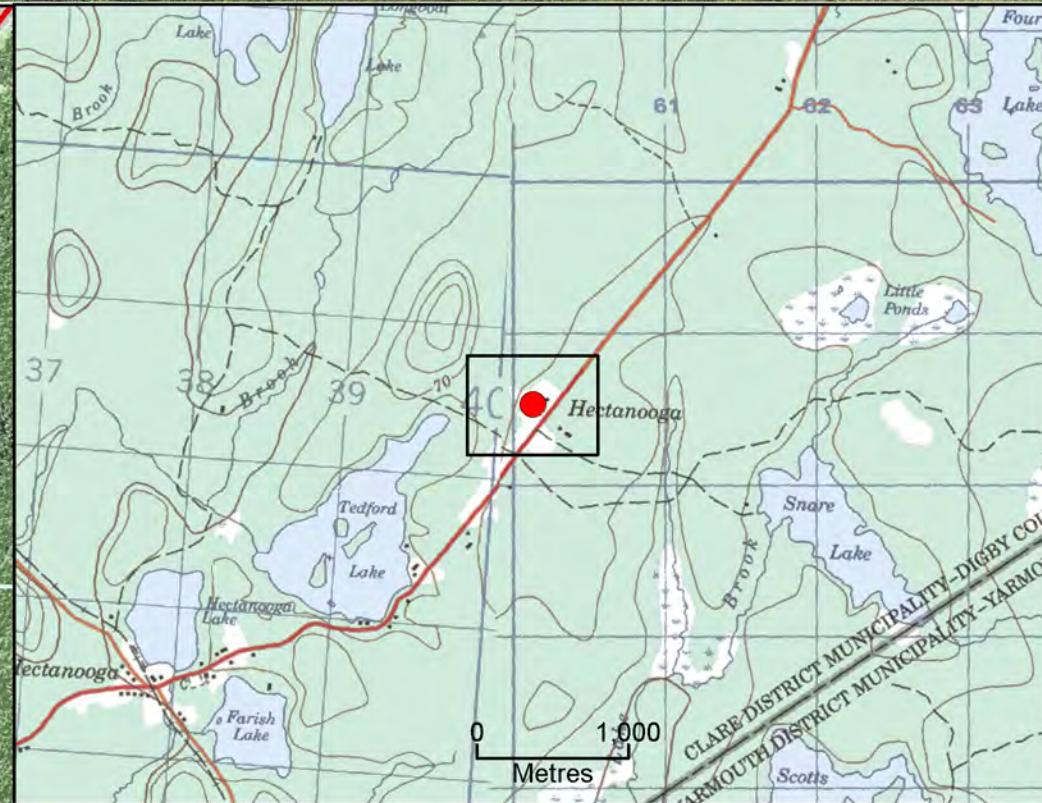
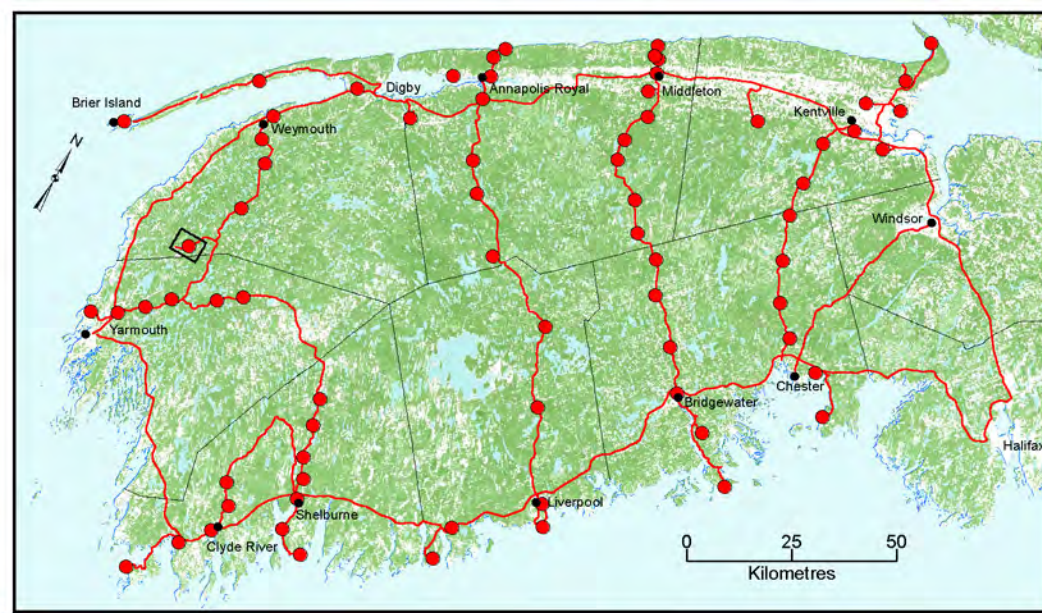
Deployed: 5/11/2011

Easting: 260100.819

Northing: 4888515.439

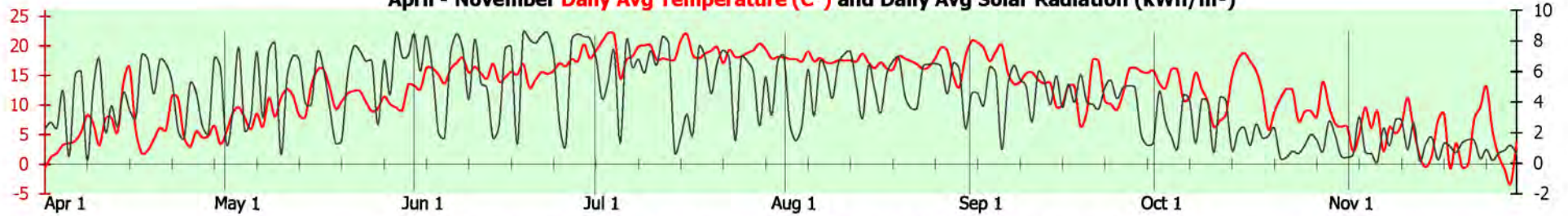
Height (m): 74.95

[UTM Zone 20, NAD 83]

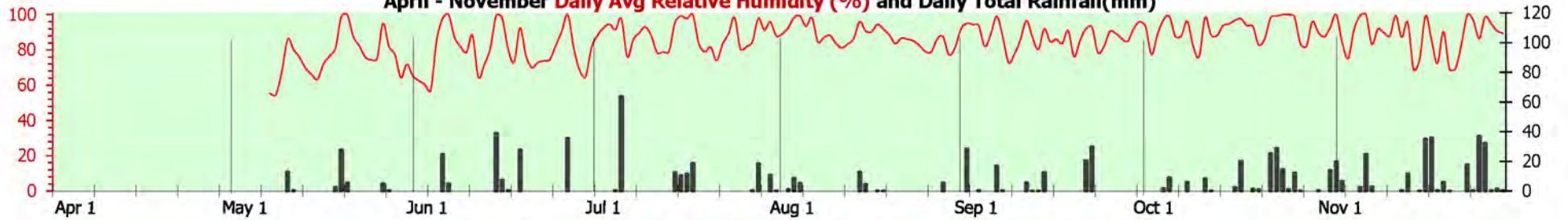


2014 Weather Data for Station WE6

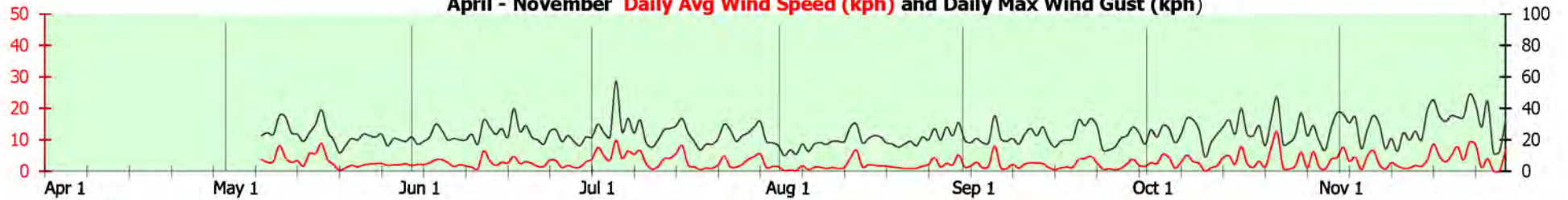
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 11, 2011

RH, Rain and Wind Sensors

May 7, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 16, 2014 03:00

Frost Free Duration:

170.9 days

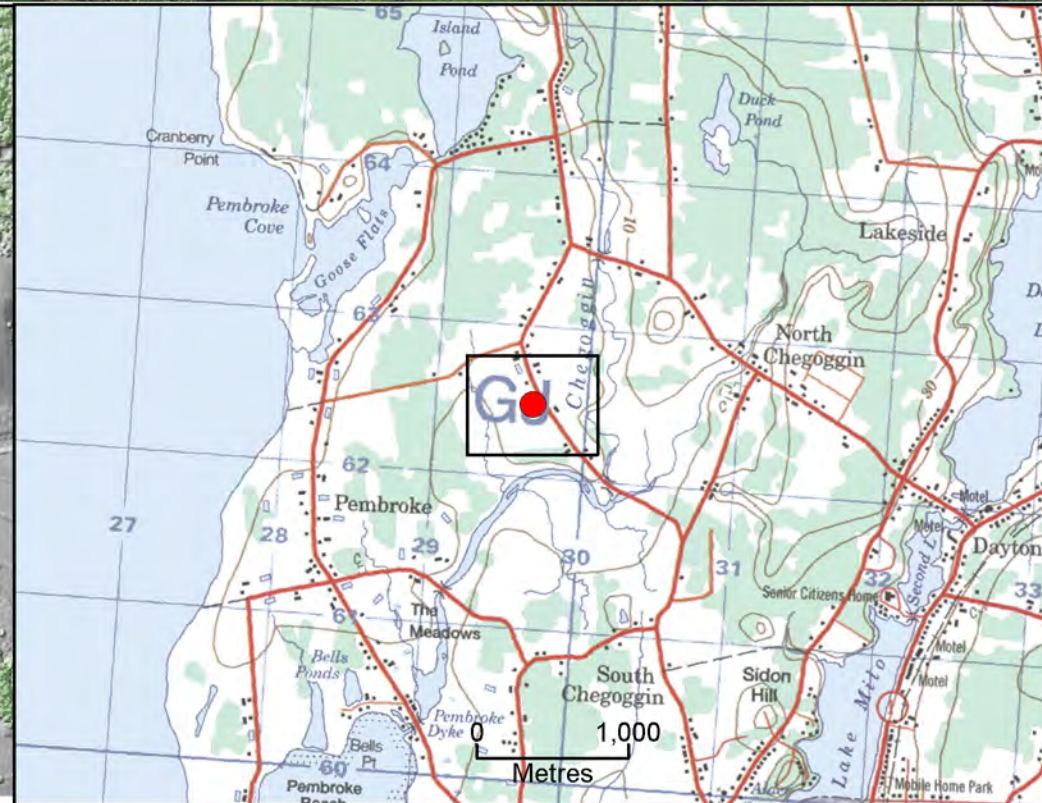
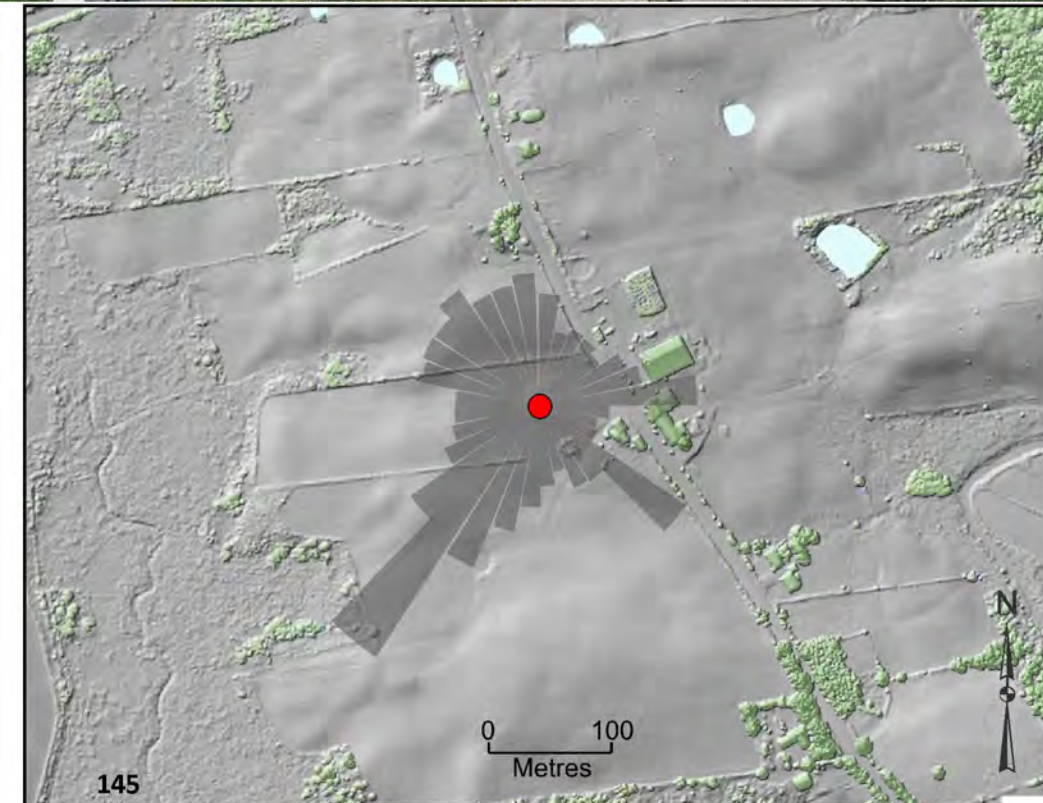
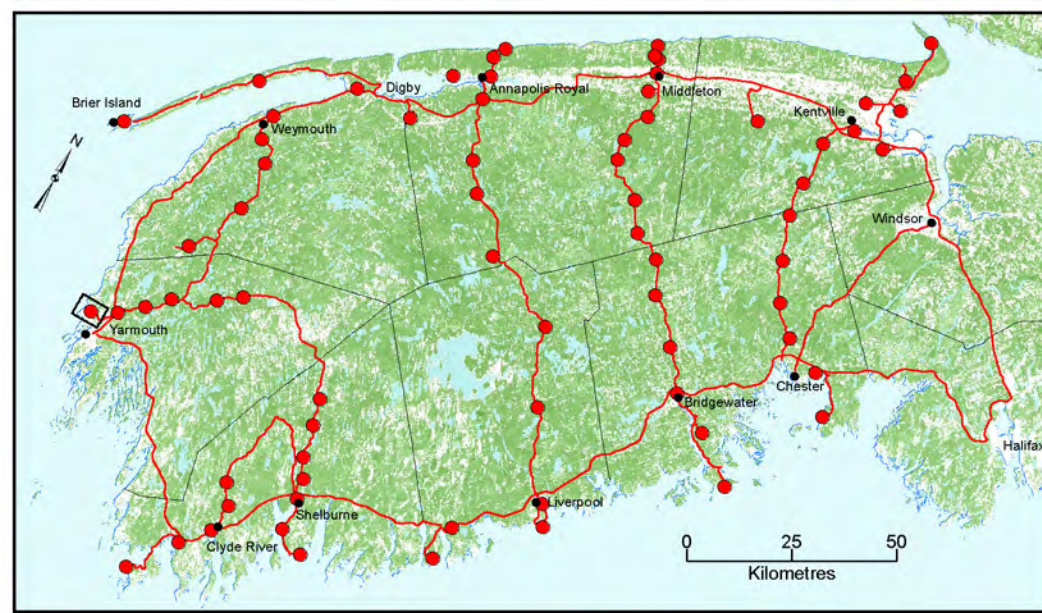
2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	13 [0]	0 [0]	-17.81	13.09	-2.61	-3.60	28.6	0.92	1.08			
February	1 [0]	0 [0]	-17.73	11.30	-3.20	-3.78	60.5	2.16	2.17			
March	3 [0]	0 [0]	-18.56	12.07	-1.91	-2.70	95.0	3.07	3.17			
April	53 [0]	13 [0]	-4.32	20.77	5.65	5.02	124.9	4.16	3.92			
May	174 [15]	41 [2]	-1.02	22.51	10.36	9.62	162.8	5.25	4.97	54.6	3.2	39.0
June	335 [335]	185 [185]	2.96	30.04	15.81	15.56	185.5	6.18	5.80	140.0	2.5	39.9
July	444 [444]	289 [289]	9.31	27.95	19.00	19.29	169.7	5.48	5.45	147.8	3.7	57.1
August	397 [397]	242 [242]	4.97	28.39	17.33	17.43	160.3	5.17	5.04	38.2	1.8	30.8
September	294 [294]	149 [149]	-1.02	27.63	14.48	14.48	134.7	4.49	4.26	115.4	2.1	35.4
October	216 [216]	83 [83]	-0.17	24.17	11.91	11.68	66.7	2.15	2.17	133.4	3.2	47.1
November	46 [24]	5 [2]	-6.01	16.61	4.68	4.34	36.1	1.20	1.21	250.4	3.8	49.0
December	21 [0]	2 [0]	-12.79	16.49	1.78	1.49	32.8	1.06	1.03	238.8	4.0	49.9
Totals, Averages or Extremes	1997 [1725]	1009 [952]	-18.56	30.04	7.77	7.40	1257.7	41.30	40.26	1118.6	3.0	57.1

Southwest NS Weather Study

Station Description

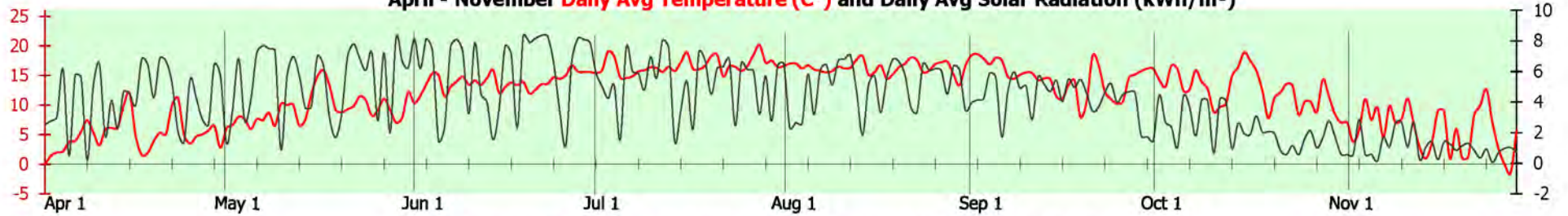
Station ID: YA1 (O)
Location: Chegoggin
County: Yarmouth
Contact: Chris Tedford
Deployed: 4/20/2011

Easting: 247627.771
Northing: 4863309.799
Height (m): 18.49
[UTM Zone 20, NAD 83]

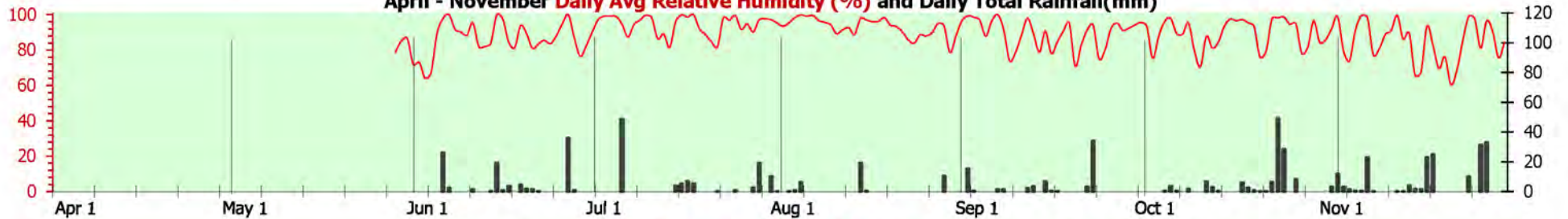


2014 Weather Data for Station YA1

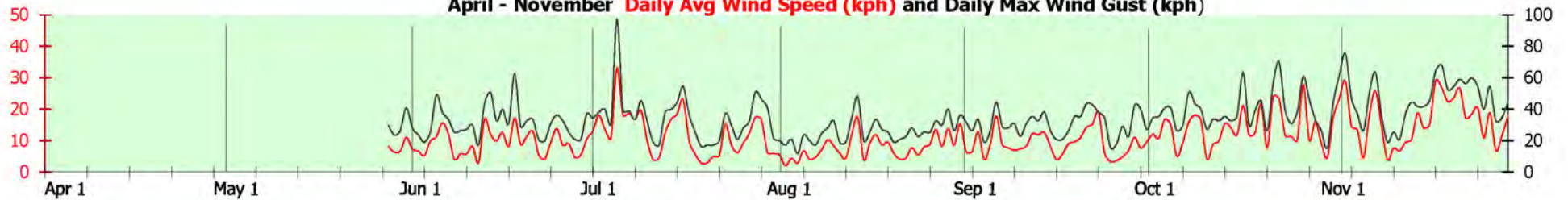
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

April 20, 2011

RH, Rain and Wind Sensors

May 28, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 16, 2014 07:15

Frost Free Duration:

186.1 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	9 [0]	0 [0]	-16.66	11.44	-1.63	-3.60	29.9	0.97	1.08			
February	1 [0]	0 [0]	-14.16	10.08	-2.11	-3.78	60.5	2.16	2.17			
March	2 [0]	0 [0]	-15.06	10.96	-1.34	-2.70	97.1	3.13	3.17			
April	40 [0]	5 [0]	-2.45	17.08	5.06	5.02	128.0	4.27	3.92			
May	138 [98]	21 [21]	-0.20	20.01	9.32	9.62	166.1	5.36	4.97	0.0	8.1	40.8
June	274 [274]	124 [124]	3.70	24.17	13.87	15.56	182.7	6.09	5.80	98.8	9.2	62.6
July	377 [377]	222 [222]	10.32	26.04	16.66	19.29	165.3	5.33	5.45	103.4	12.3	97.0
August	363 [363]	208 [208]	7.09	26.52	16.32	17.43	160.3	5.17	5.04	37.6	7.8	48.0
September	287 [287]	141 [141]	1.91	23.95	14.50	14.48	134.0	4.47	4.26	68.8	9.1	44.4
October	244 [244]	98 [98]	2.61	22.01	12.88	11.68	70.7	2.28	2.17	118.4	13.4	69.8
November	59 [32]	6 [2]	-2.83	15.41	5.95	4.34	33.8	1.13	1.21	173.8	16.6	75.2
December	25 [0]	3 [0]	-10.09	15.63	2.78	1.49	33.7	1.09	1.03	156.2	14.8	67.1
Totals, Averages or Extremes	1819 [1675]	828 [816]	-16.66	26.52	7.69	7.40	1262.1	41.44	40.26	757.0	11.4	97.0

Southwest NS Weather Study

Station Description

Station ID: YA2 (O)

Location: South Ohio

County: Yarmouth

Contact: Truman Hurlburt

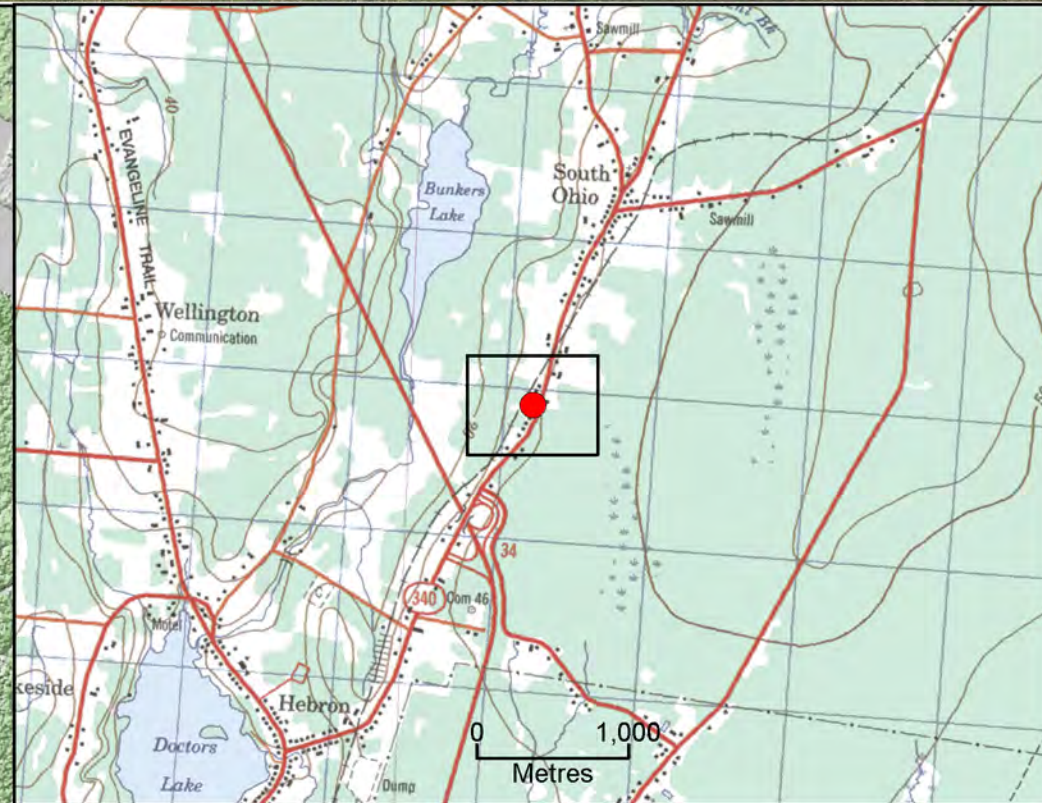
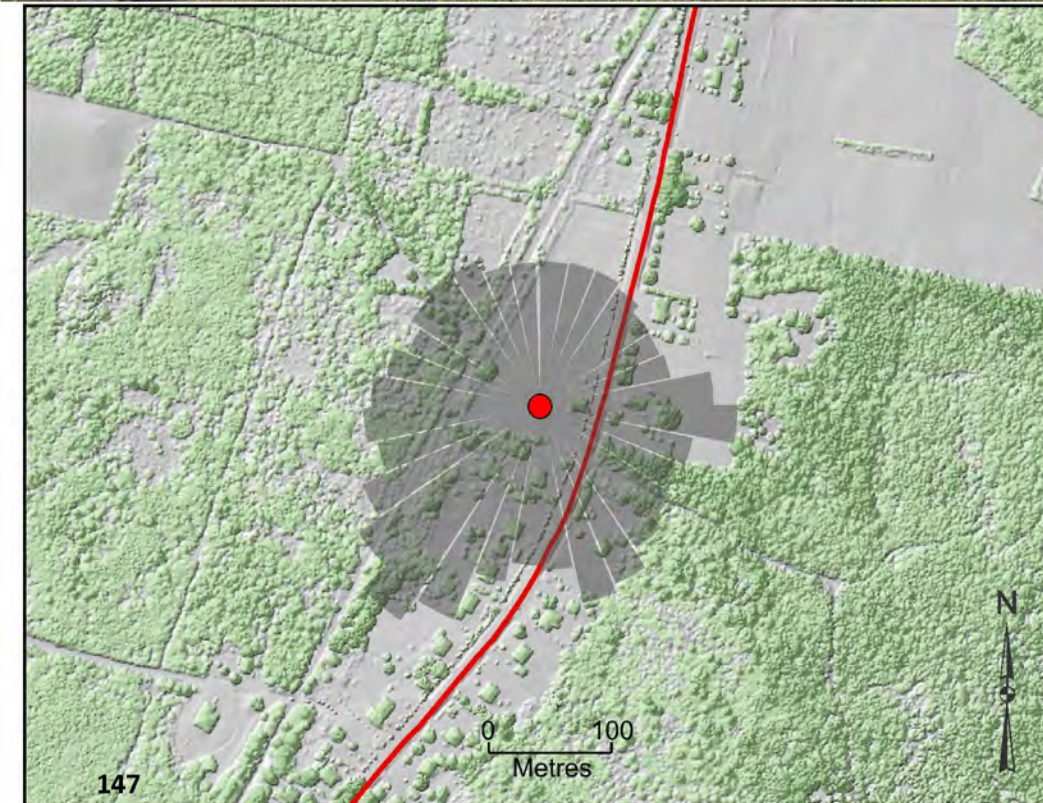
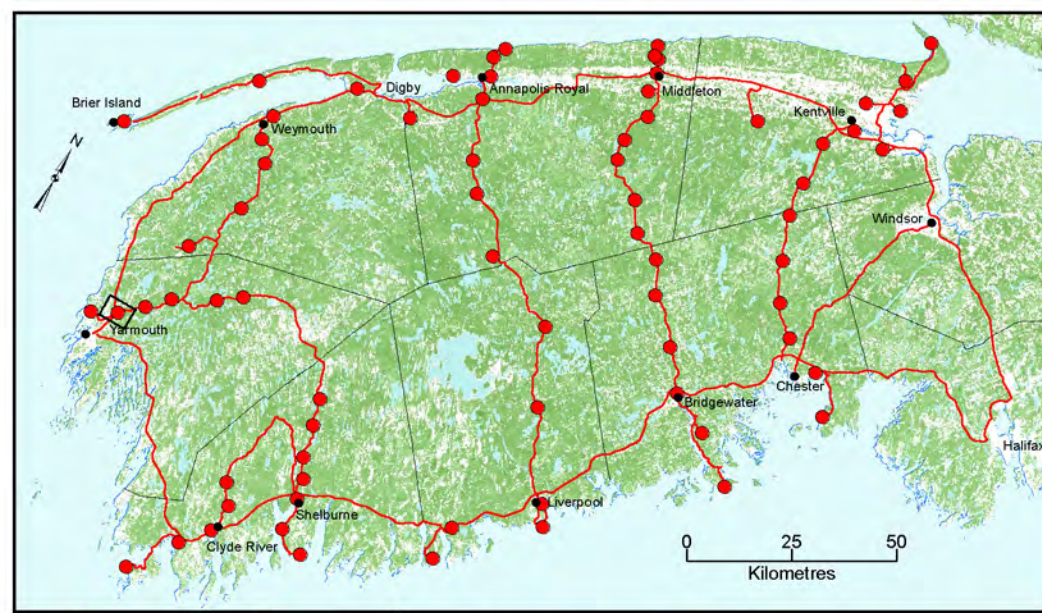
Deployed: 4/20/2011

Easting: 253401.898

Northing: 4866314.26

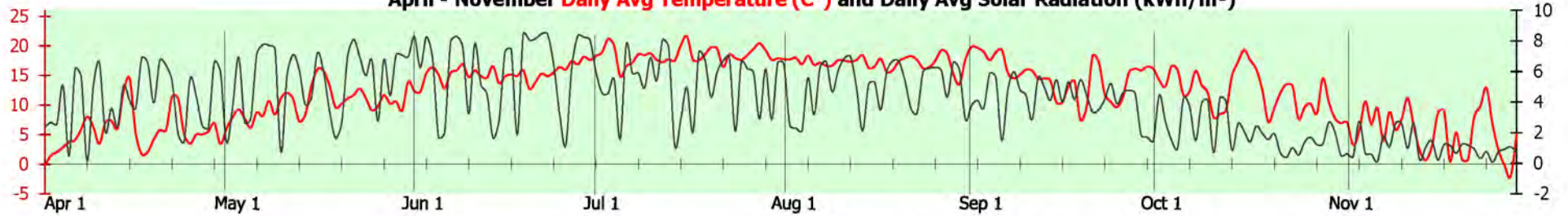
Height (m): 38.85

[UTM Zone 20, NAD 83]

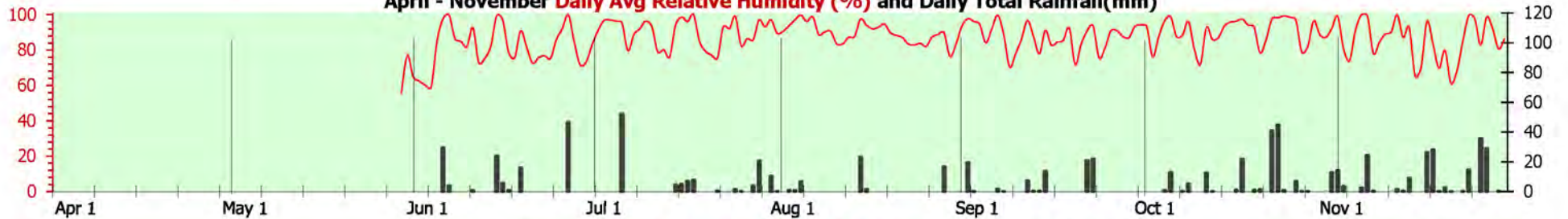


2014 Weather Data for Station YA2

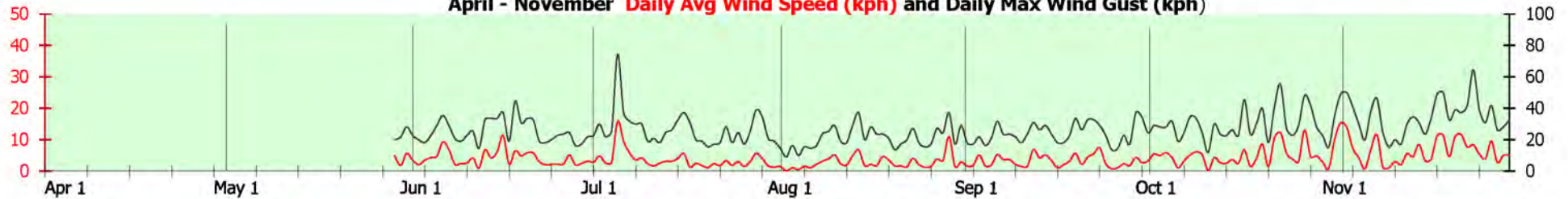
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

April 20, 2011

RH, Rain and Wind Sensors

May 29, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 16, 2014 04:40

Frost Free Duration:

185.9 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	10 [0]	0 [0]	-17.08	12.17	-1.82	-3.60	27.7	0.89	1.08			
February	1 [0]	0 [0]	-16.08	10.96	-2.38	-3.78	58.9	2.10	2.17			
March	3 [0]	0 [0]	-17.17	12.44	-1.48	-2.70	98.8	3.19	3.17			
April	51 [0]	10 [0]	-2.48	19.96	5.57	5.02	125.8	4.19	3.92			
May	176 [120]	39 [34]	-0.79	22.32	10.41	9.62	167.8	5.41	4.97	0.0	4.2	28.1
June	313 [313]	163 [163]	2.74	25.94	15.28	15.56	183.9	6.13	5.80	127.6	4.2	44.4
July	433 [433]	278 [278]	10.27	27.09	18.44	19.29	164.1	5.29	5.45	114.0	3.6	74.3
August	390 [390]	235 [235]	5.26	26.72	17.18	17.43	157.9	5.09	5.04	49.8	2.8	37.2
September	301 [301]	156 [156]	-0.31	26.21	14.75	14.48	129.9	4.33	4.26	86.4	3.2	37.2
October	225 [225]	89 [89]	1.48	23.47	12.55	11.68	66.8	2.15	2.17	151.0	4.7	55.3
November	55 [29]	6 [2]	-3.51	16.18	5.60	4.34	33.4	1.11	1.21	205.4	6.7	64.4
December	24 [0]	3 [0]	-10.69	15.56	2.54	1.49	33.3	1.07	1.03	187.4	7.0	47.1
Totals, Averages or Extremes	1982 [1811]	979 [957]	-17.17	27.09	8.05	7.40	1248.3	40.98	40.26	921.6	4.5	74.3

Southwest NS Weather Study

Station Description

Station ID: YA3 (O)

Location: Deerfield

County: Yarmouth

Contact: Neil Nicholl

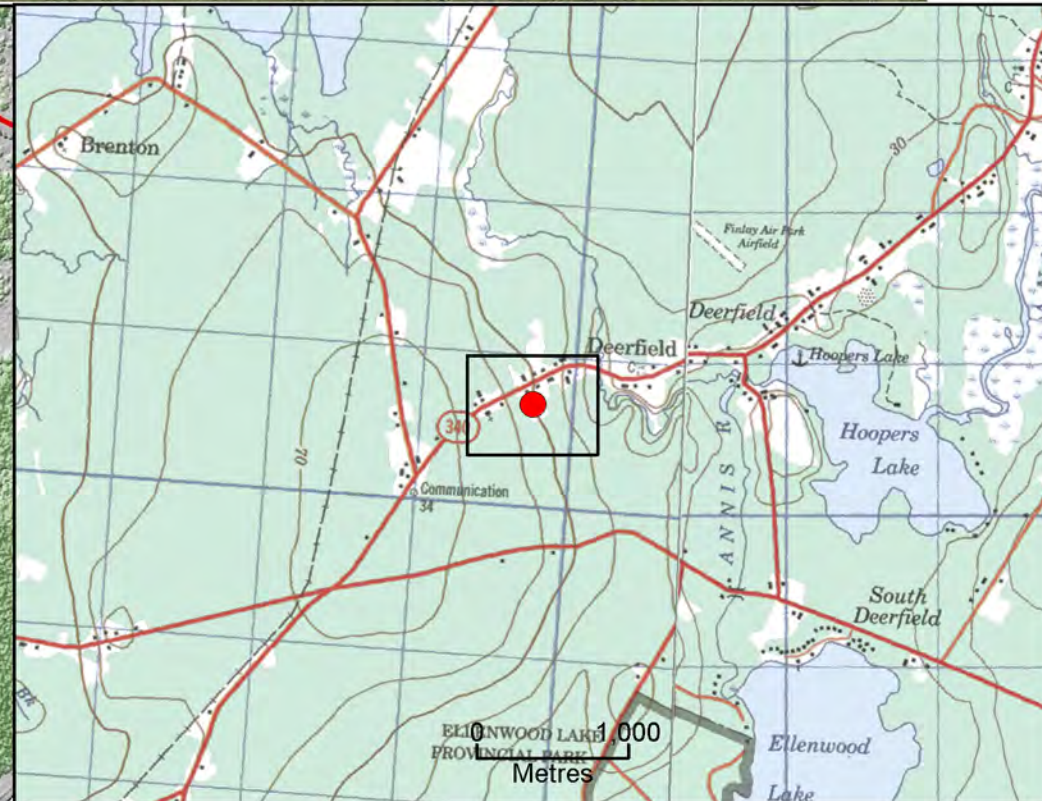
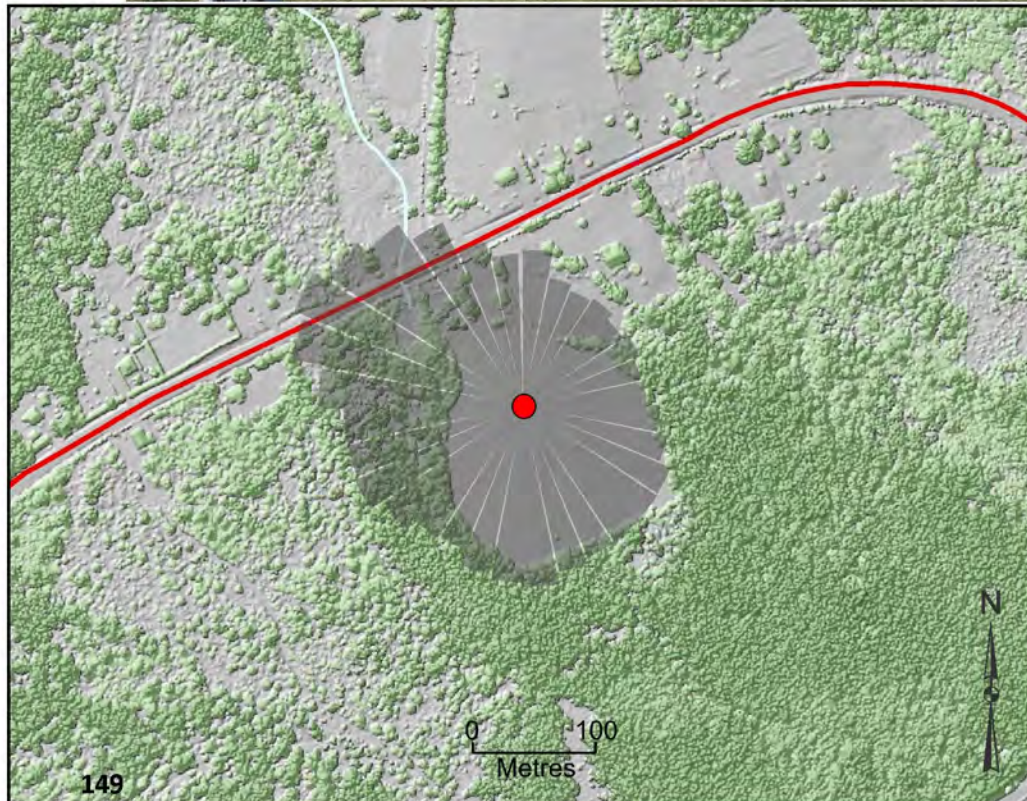
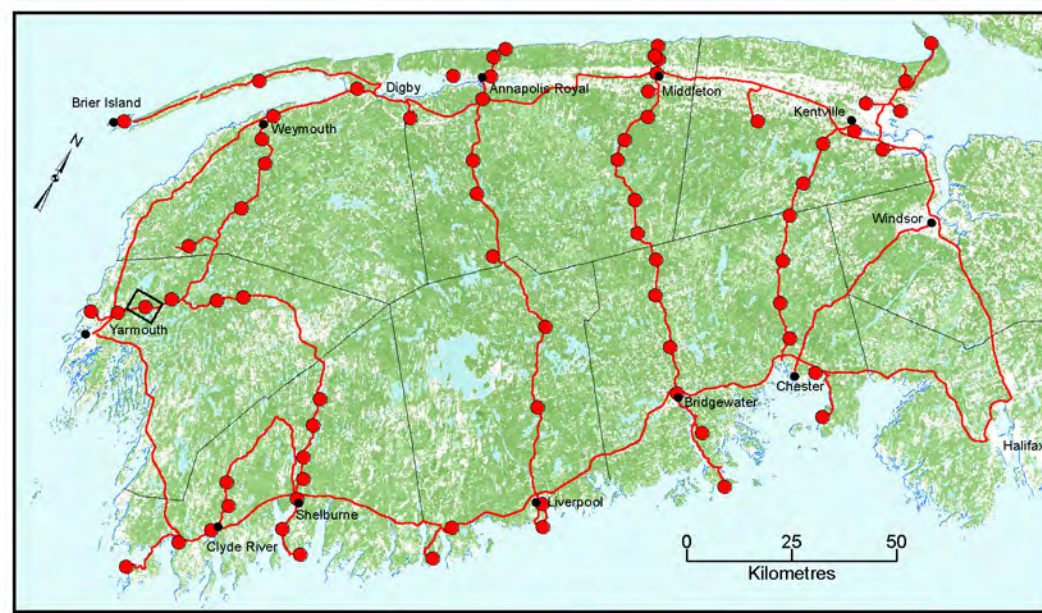
Deployed: 4/19/2011

Easting: 258300.308

Northing: 4870757.698

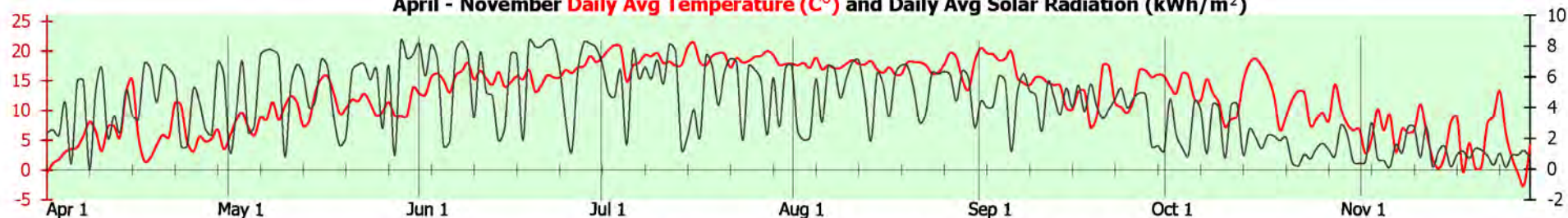
Height (m): 58.28

[UTM Zone 20, NAD 83]

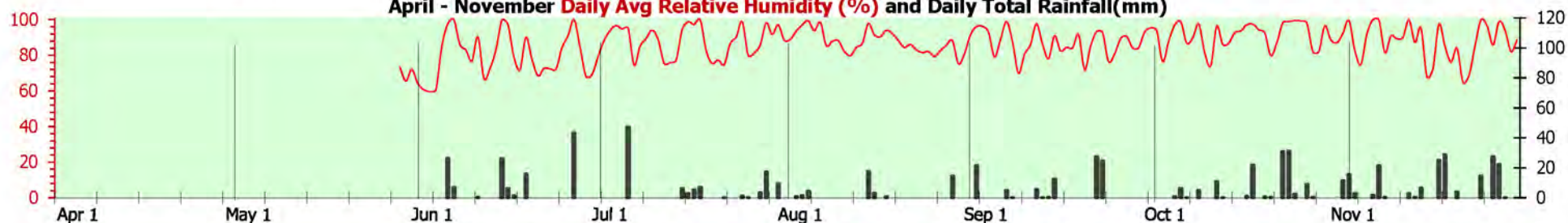


2014 Weather Data for Station YA3

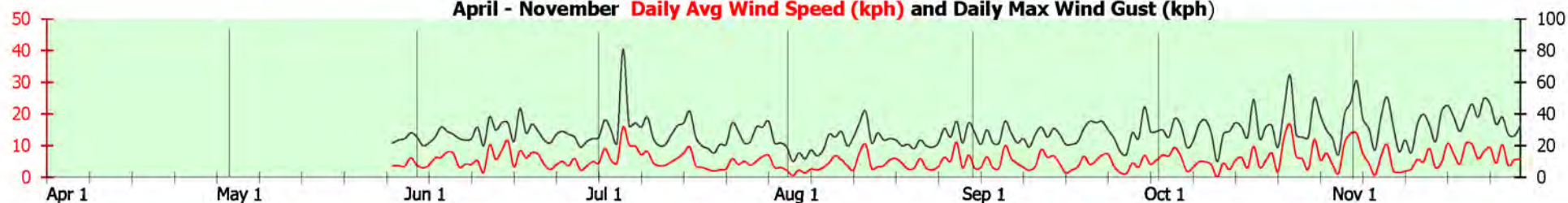
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

April 19, 2011

RH, Rain and Wind Sensors

May 28, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 16, 2014 04:30

Frost Free Duration:

185.9 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	11 [0]	0 [0]	-17.21	12.82	-2.24	-3.60	28.4	0.92	1.08			
February	1 [0]	0 [0]	-16.04	10.05	-2.82	-3.78	60.3	2.15	2.17			
March	3 [0]	0 [0]	-17.38	12.29	-1.79	-2.70	97.7	3.15	3.17			
April	49 [0]	10 [0]	-2.68	20.63	5.53	5.02	123.6	4.12	3.92			
May	173 [116]	39 [32]	-0.45	22.42	10.33	9.62	162.6	5.24	4.97	0.0	4.4	28.1
June	327 [327]	177 [177]	3.43	28.74	15.68	15.56	182.5	6.08	5.80	127.2	5.4	43.5
July	437 [437]	282 [282]	10.25	27.06	18.78	19.29	166.0	5.35	5.45	100.6	5.7	80.7
August	396 [396]	241 [241]	6.03	26.79	17.39	17.43	158.7	5.12	5.04	43.2	4.3	41.7
September	299 [299]	155 [155]	-0.20	26.94	14.74	14.48	130.3	4.34	4.26	97.4	4.5	44.4
October	221 [221]	86 [86]	1.37	23.35	12.27	11.68	66.3	2.14	2.17	122.2	5.7	64.4
November	50 [27]	5 [1]	-4.35	16.32	5.17	4.34	33.8	1.13	1.21	186.0	6.7	60.7
December	24 [0]	4 [0]	-12.01	16.27	2.19	1.49	33.7	1.09	1.03	156.4	7.1	53.5
Totals, Averages or Extremes	1991 [1823]	999 [974]	-17.38	28.74	7.94	7.40	1243.8	40.84	40.26	833.0	5.5	80.7

Southwest NS Weather Study

Station Description

Station ID: YA4 (O)

Location: Pleasant Valley

County: Yarmouth

Contact: Leonard Sabine

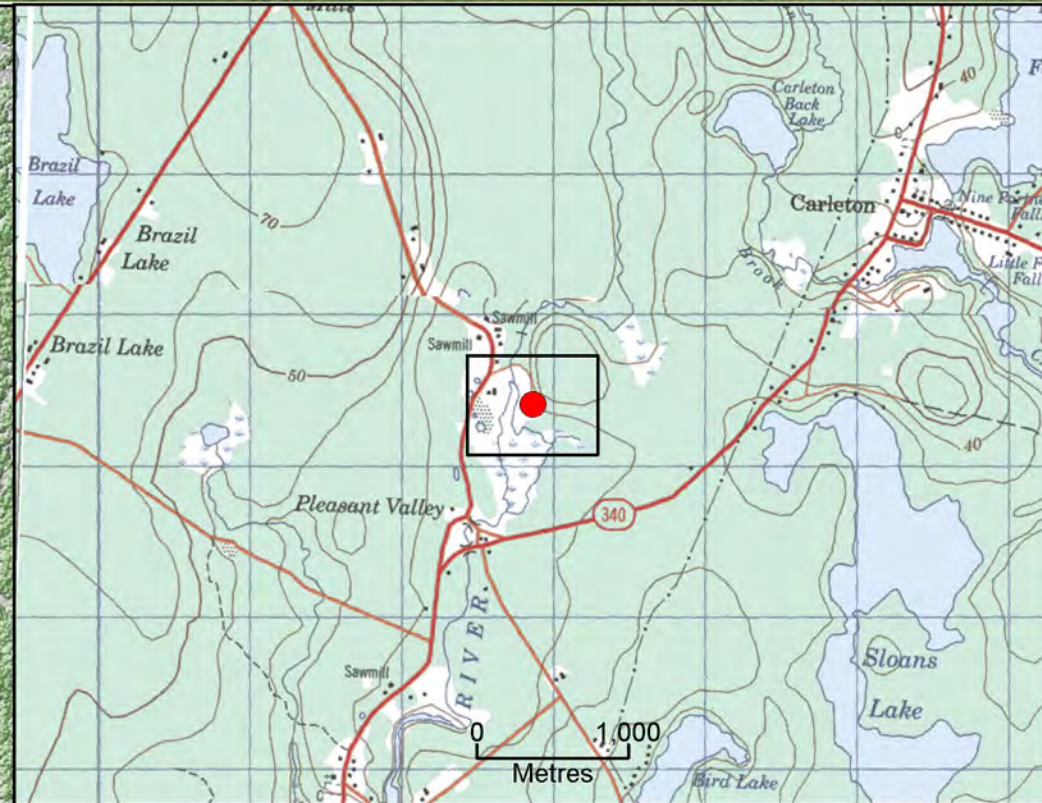
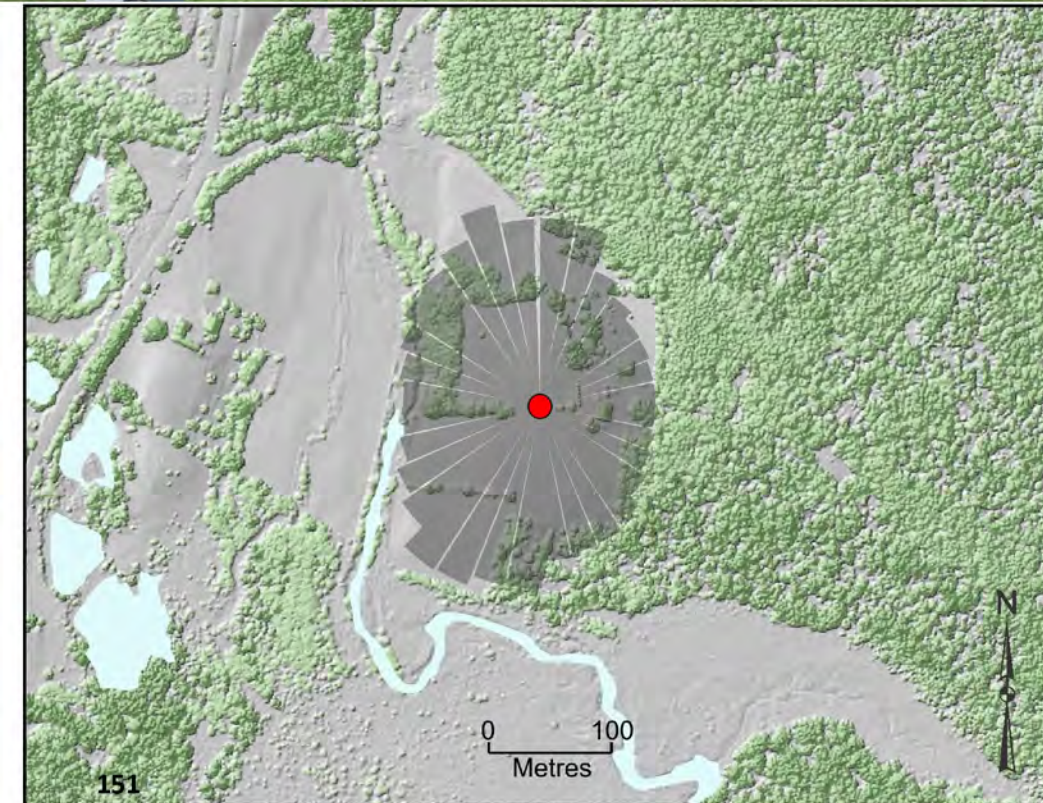
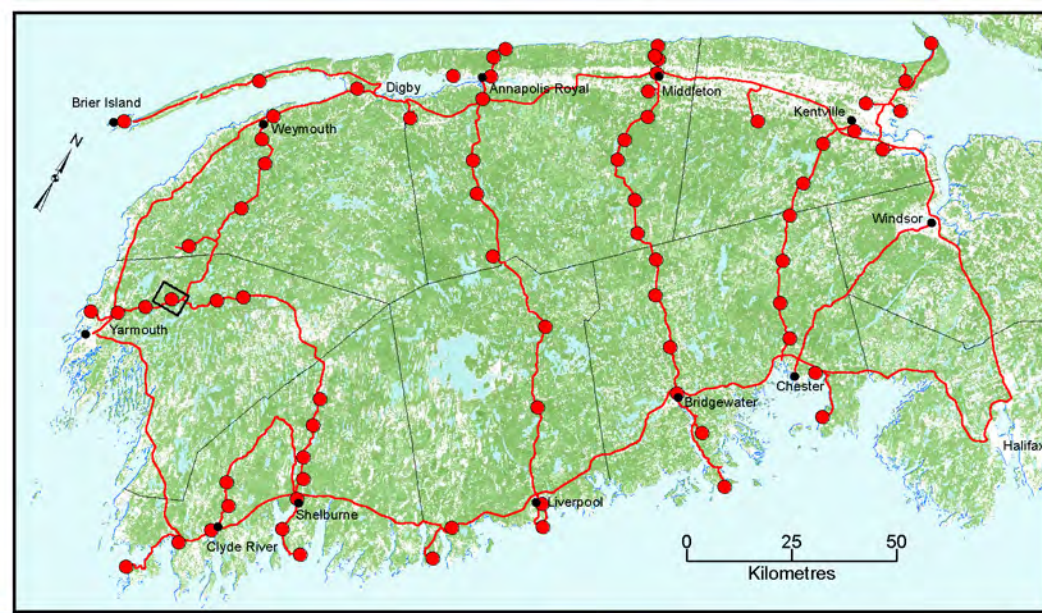
Deployed: 4/19/2011

Easting: 262854.078

Northing: 4875443.777

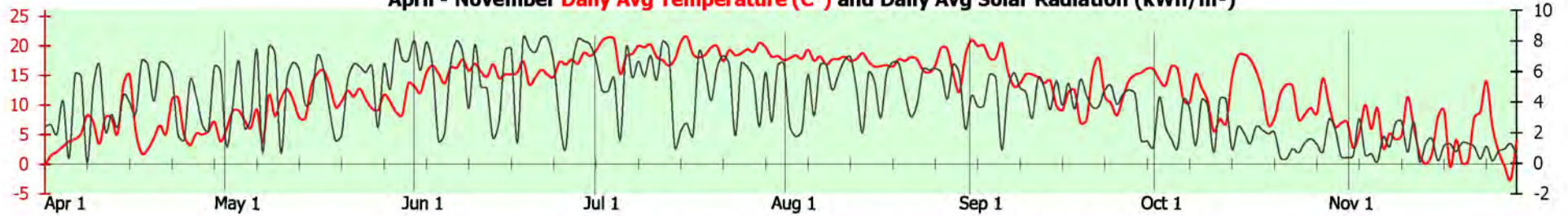
Height (m): 31.38

[UTM Zone 20, NAD 83]

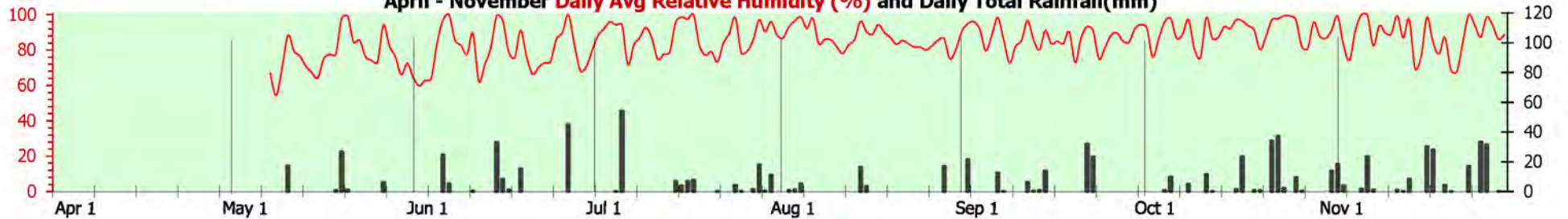


2014 Weather Data for Station YA4

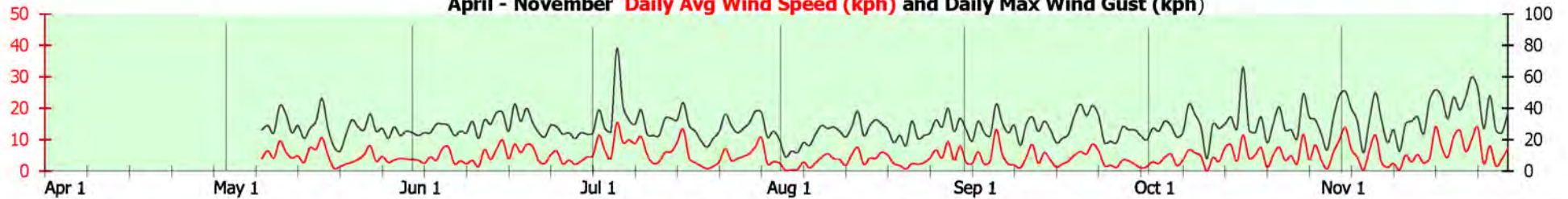
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

April 19, 2011

RH, Rain and Wind Sensors

May 7, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

September 20, 2014 03:55

Frost Free Duration:

113 days

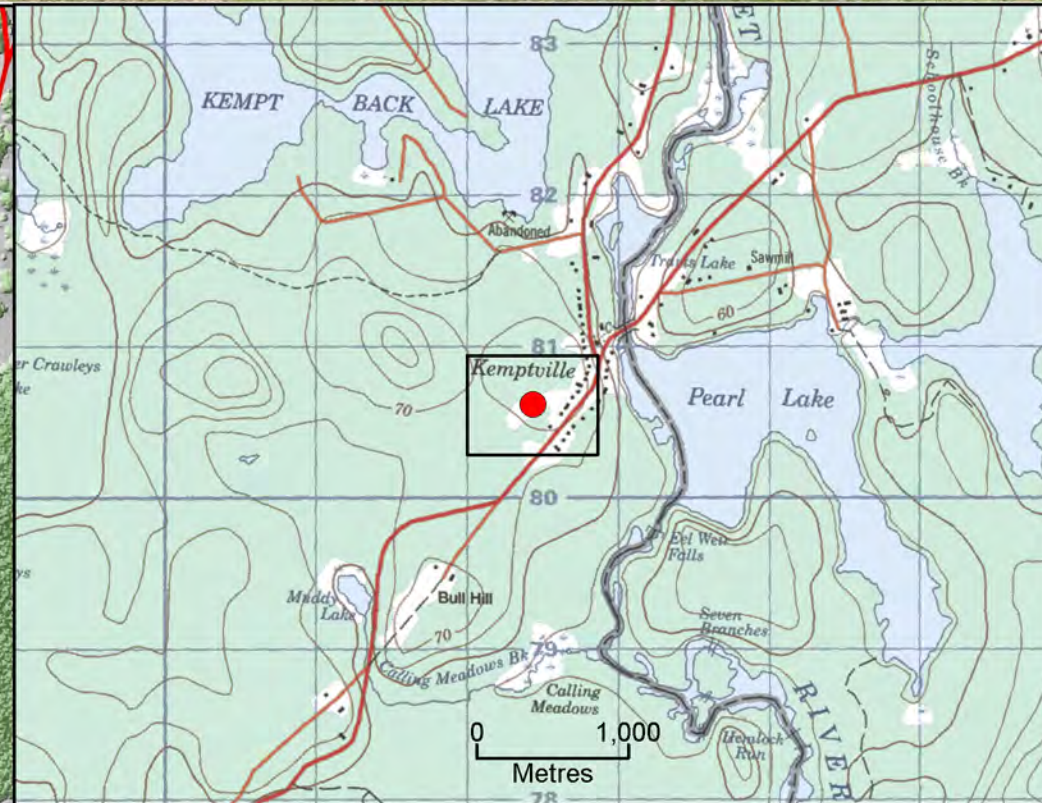
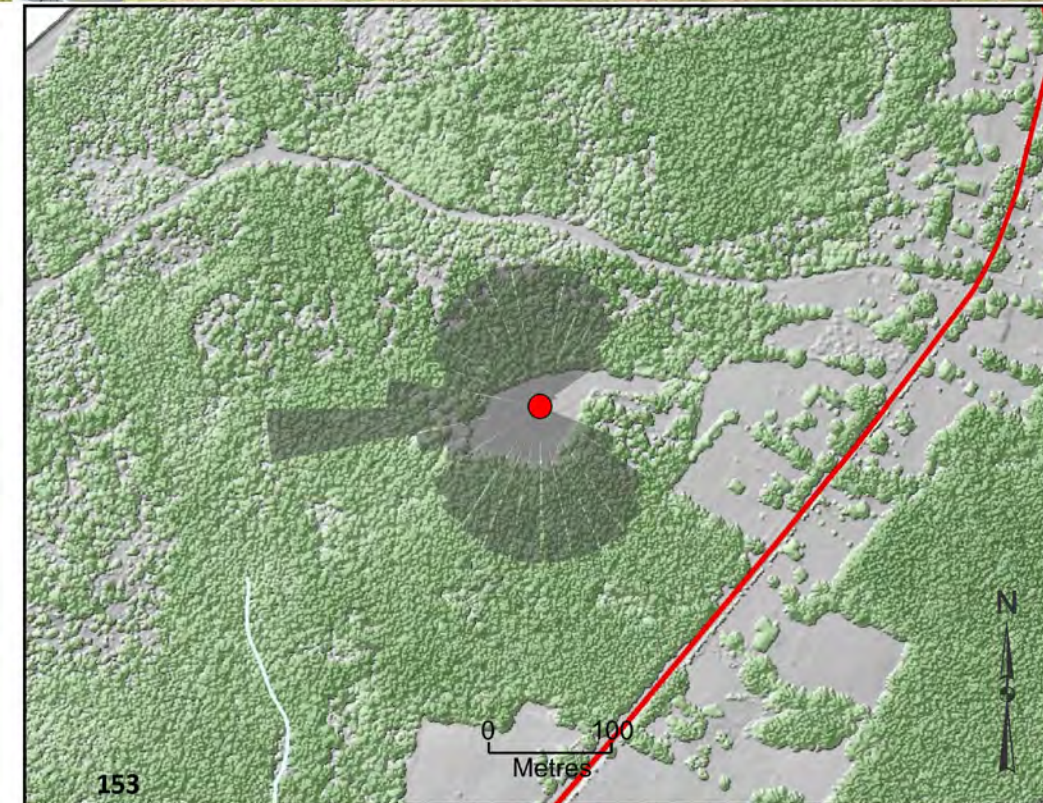
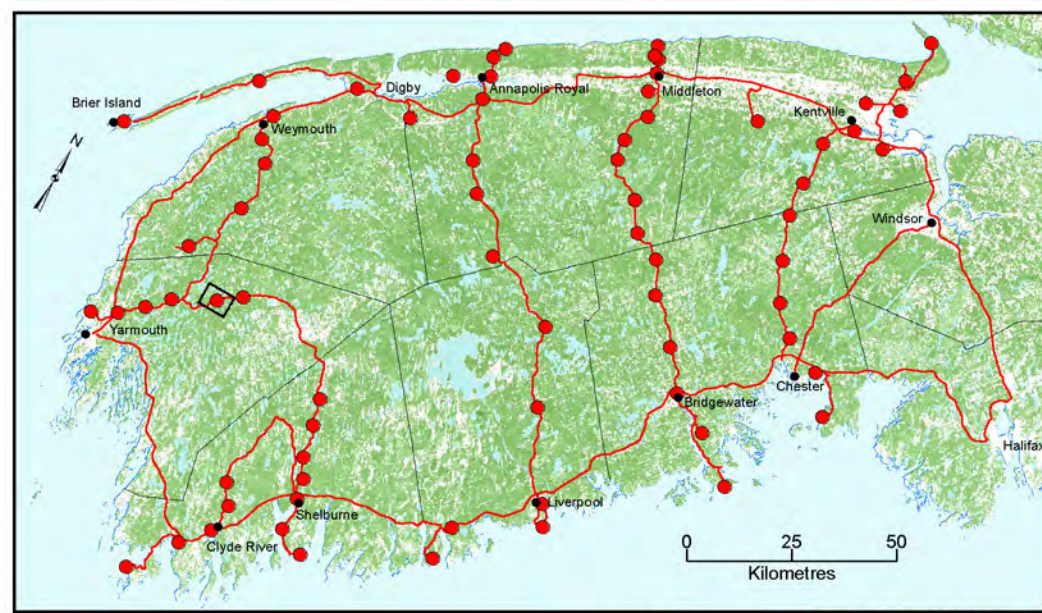
2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	11 [0]	0 [0]	-17.90	12.63	-2.29	-3.60	28.4	0.92	1.08			
February	1 [0]	0 [0]	-22.22	10.47	-2.97	-3.78	60.4	2.16	2.17			
March	4 [0]	0 [0]	-21.37	12.85	-2.05	-2.70	96.8	3.12	3.17			
April	52 [0]	11 [0]	-3.07	20.20	5.71	5.02	121.3	4.04	3.92			
May	166 [10]	38 [2]	-1.38	23.11	10.28	9.62	154.0	4.97	4.97	52.0	4.8	46.2
June	327 [327]	177 [177]	1.21	29.29	15.82	15.56	176.5	5.88	5.80	133.4	4.7	42.6
July	442 [442]	287 [287]	7.19	27.97	19.06	19.29	159.9	5.16	5.45	115.8	6.1	78.0
August	388 [388]	233 [233]	2.42	27.55	17.39	17.43	154.7	4.99	5.04	44.4	3.6	39.9
September	276 [186]	135 [94]	-3.33	27.53	14.23	14.48	128.4	4.28	4.26	110.6	4.0	42.6
October	203 [0]	79 [0]	-1.73	23.62	12.00	11.68	65.5	2.11	2.17	138.2	4.7	66.2
November	43 [0]	5 [0]	-5.98	16.77	4.93	4.34	34.5	1.15	1.21	217.6	6.3	59.8
December	25 [0]	4 [0]	-13.62	16.51	2.25	1.49	32.9	1.06	1.03	190.4	6.2	48.0
Totals, Averages or Extremes	1938 [1353]	969 [793]	-22.22	29.29	7.86	7.40	1213.2	39.84	40.26	1002.4	5.1	78.0

Southwest NS Weather Study

Station Description

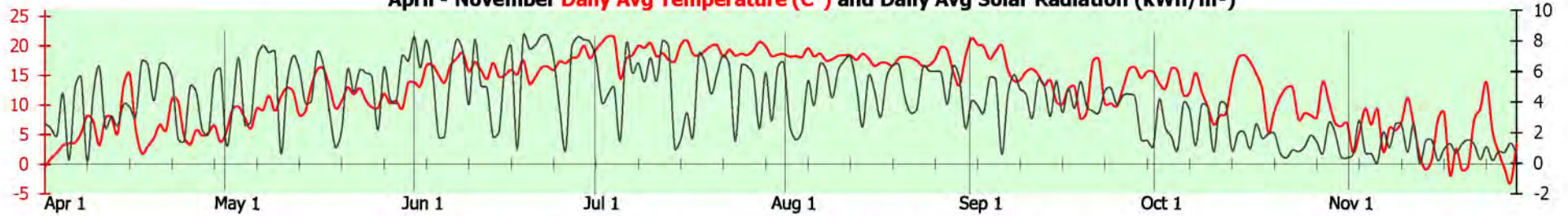
Station ID: YA5 (O)
Location: Kemptville
County: Yarmouth
Contact: Kyle Roberts
Deployed: 4/20/2011

Easting: 272445.867
Northing: 4880596.155
Height (m): 74.41
[UTM Zone 20, NAD 83]

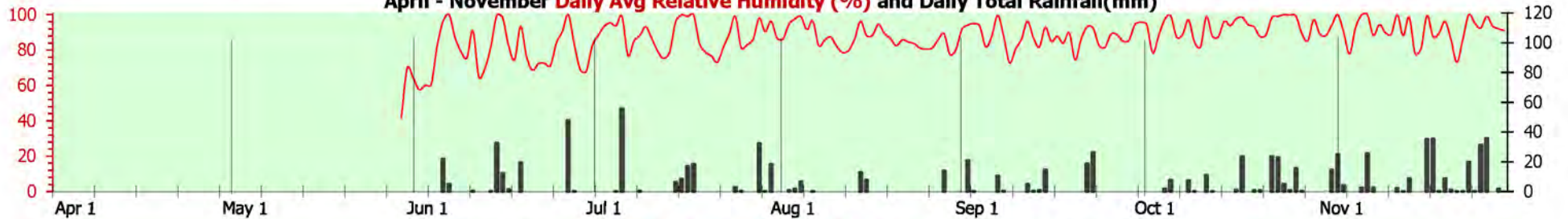


2014 Weather Data for Station YA5

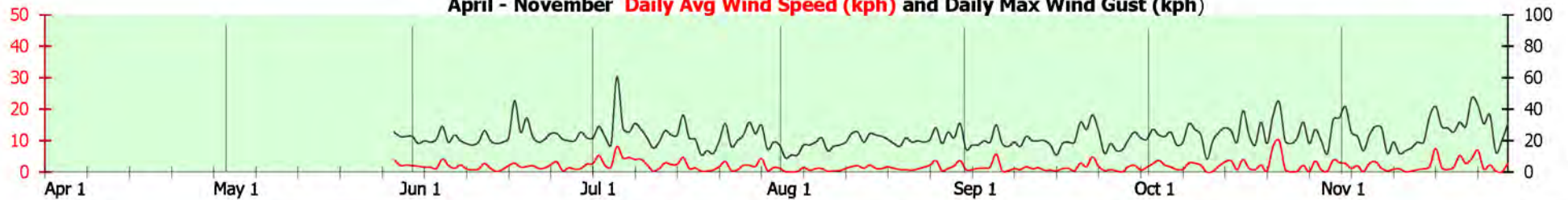
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

April 20, 2011

RH, Rain and Wind Sensors

May 29, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 15, 2014 08:15

Frost Free Duration:

199 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	9 [0]	0 [0]	-17.86	12.39	-2.81	-3.60	27.3	0.88	1.08			
February	1 [0]	0 [0]	-17.08	12.73	-3.15	-3.78	56.1	2.00	2.17			
March	6 [0]	0 [0]	-19.06	12.65	-1.77	-2.70	89.6	2.89	3.17			
April	58 [1]	11 [0]	-3.30	20.32	5.67	5.02	117.7	3.92	3.92			
May	198 [198]	55 [55]	0.25	22.63	10.77	9.62	153.9	4.97	4.97	0.0	2.8	25.4
June	348 [348]	198 [198]	3.38	31.48	16.25	15.56	178.9	5.96	5.80	141.4	1.7	45.3
July	452 [452]	297 [297]	9.98	29.04	19.13	19.29	158.8	5.12	5.45	160.6	2.4	60.7
August	420 [420]	265 [265]	5.31	27.70	17.76	17.43	153.1	4.94	5.04	44.2	1.2	30.8
September	308 [308]	162 [162]	-0.37	28.07	14.70	14.48	123.2	4.11	4.26	98.6	1.3	36.3
October	218 [218]	81 [81]	0.16	23.76	11.94	11.68	62.3	2.01	2.17	123.2	2.1	44.4
November	48 [25]	4 [1]	-6.07	16.37	4.68	4.34	34.2	1.14	1.21	255.4	2.1	47.1
December	21 [0]	2 [0]	-13.13	15.75	1.79	1.49	30.5	0.98	1.03	233.0	1.8	40.8
Totals, Averages or Extremes	2087 [1970]	1075 [1059]	-19.06	31.48	7.91	7.40	1185.6	38.93	40.26	1056.4	1.9	60.7

Southwest NS Weather Study

Station Description

Station ID: YA6 (O)

Location: East Kemptville

County: Yarmouth

Contact: DNR

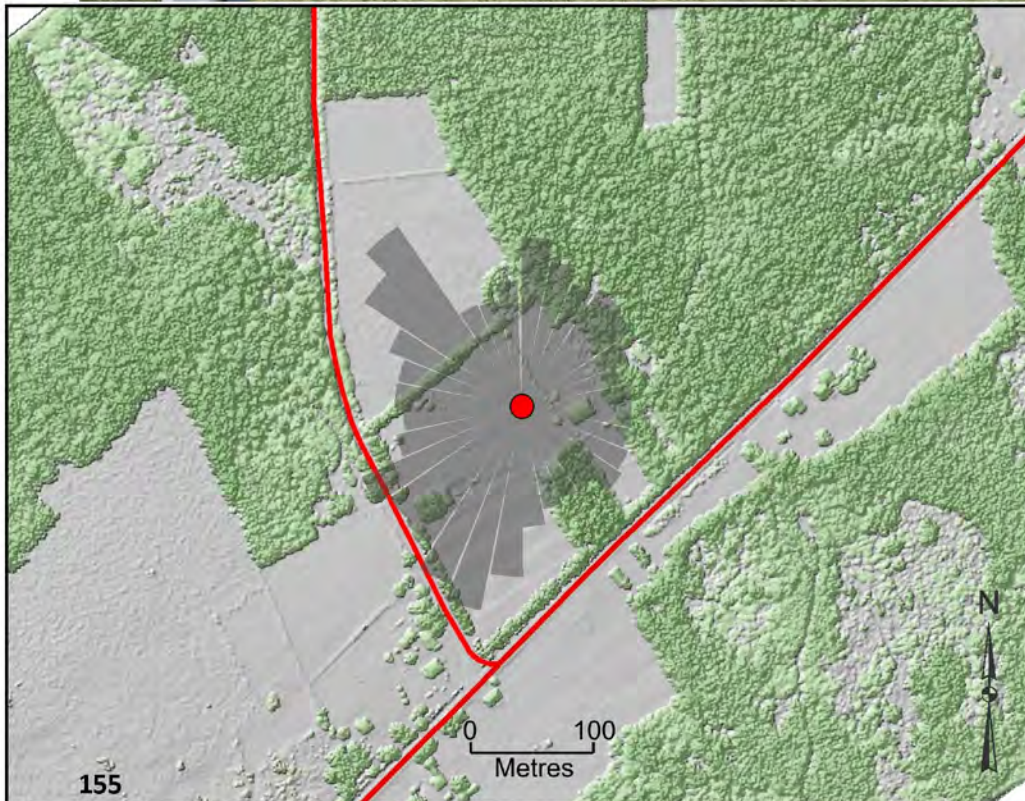
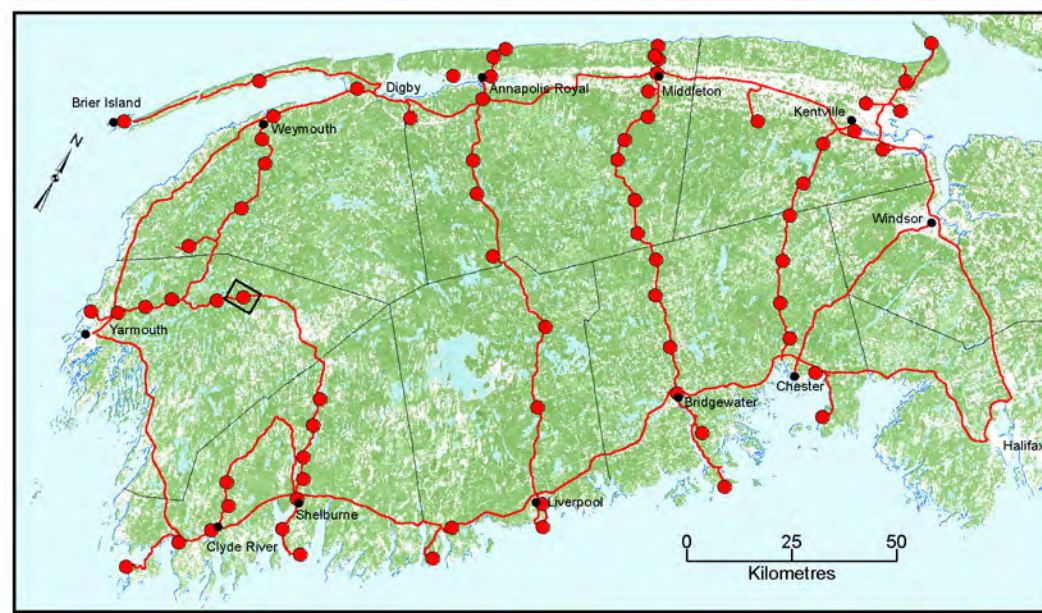
Deployed: 4/20/2011

Easting: 277460.146

Northing: 4884401.353

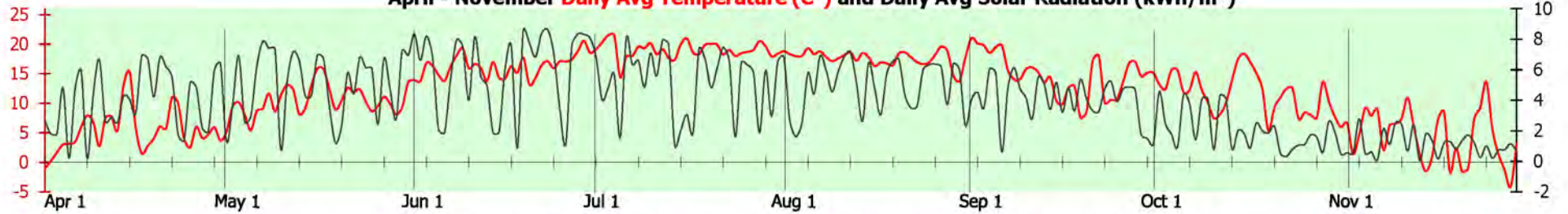
Height (m): 125.6

[UTM Zone 20, NAD 83]

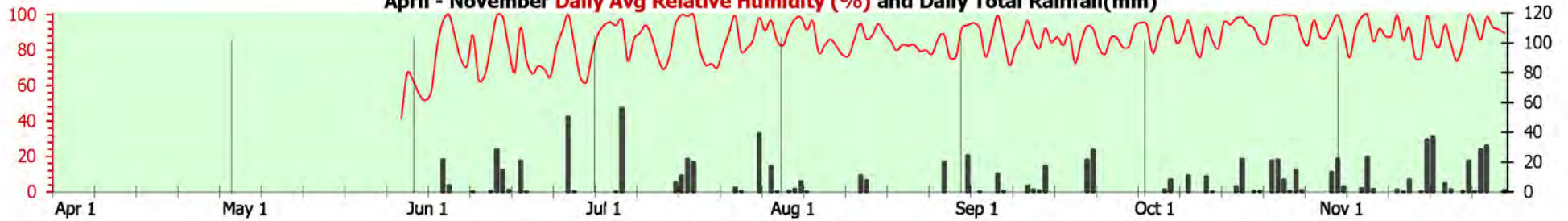


2014 Weather Data for Station YA6

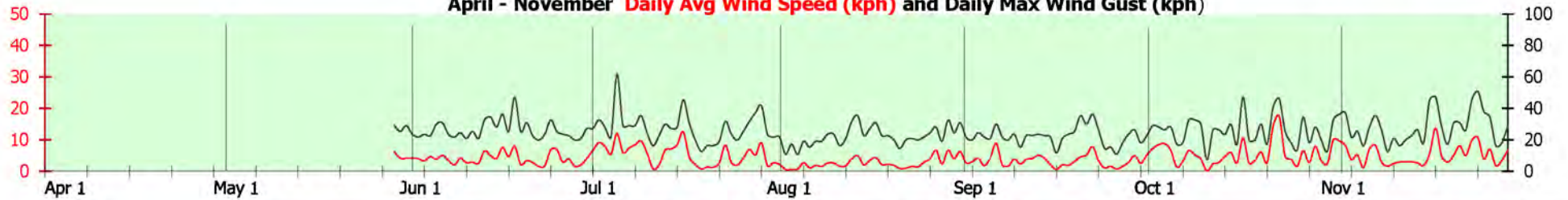
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall (mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

April 20, 2011

RH, Rain and Wind Sensors

May 29, 2014

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 15, 2014 02:42

Frost Free Duration:

189.8 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	12 [0]	0 [0]	-18.25	13.33	-3.07	-3.60	29.6	0.95	1.08			
February	1 [0]	0 [0]	-14.28	12.00	-3.42	-3.78	60.1	2.15	2.17			
March	3 [0]	0 [0]	-17.25	12.12	-2.20	-2.70	99.2	3.20	3.17			
April	53 [0]	10 [0]	-3.87	20.44	5.37	5.02	120.6	4.02	3.92			
May	187 [155]	47 [44]	-0.51	21.80	10.47	9.62	156.8	5.06	4.97	0.0	4.9	29.0
June	346 [346]	196 [196]	4.84	30.60	16.22	15.56	181.6	6.05	5.80	142.6	4.0	47.1
July	451 [451]	296 [296]	10.64	28.42	19.04	19.29	162.7	5.25	5.45	174.6	5.5	61.6
August	414 [414]	259 [259]	7.49	26.99	17.65	17.43	158.3	5.10	5.04	48.4	2.7	35.4
September	304 [304]	159 [159]	-0.89	27.33	14.78	14.48	126.7	4.22	4.26	110.4	3.3	36.3
October	217 [217]	77 [77]	3.01	22.99	11.86	11.68	65.5	2.11	2.17	124.2	5.3	47.1
November	48 [26]	4 [1]	-7.48	16.34	4.46	4.34	34.8	1.16	1.21	236.6	5.4	50.8
December	20 [0]	2 [0]	-13.16	15.75	1.43	1.49	31.2	1.01	1.03	233.8	5.6	45.3
Totals, Averages or Extremes	2056 [1913]	1050 [1032]	-18.25	30.60	7.71	7.40	1227.0	40.29	40.26	1070.6	4.6	61.6

Southwest NS Weather Study

Station Description

Station ID: S10 (C)

Location: Moshers Corner

County: Annapolis

Contact: David Colville

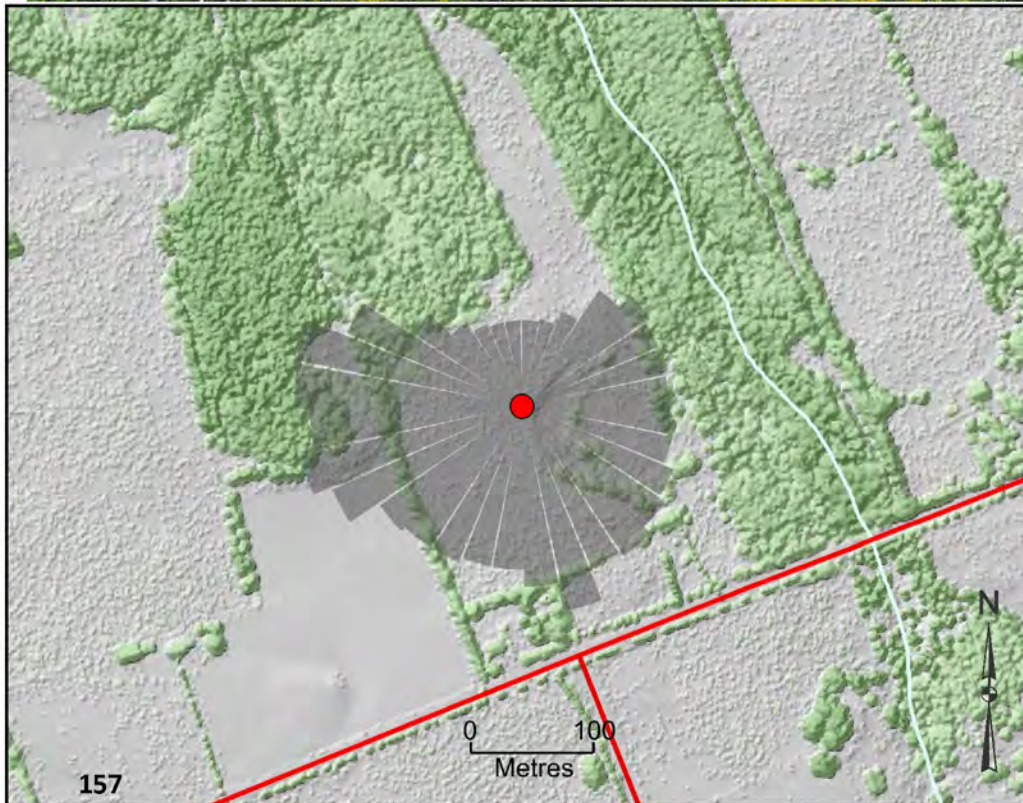
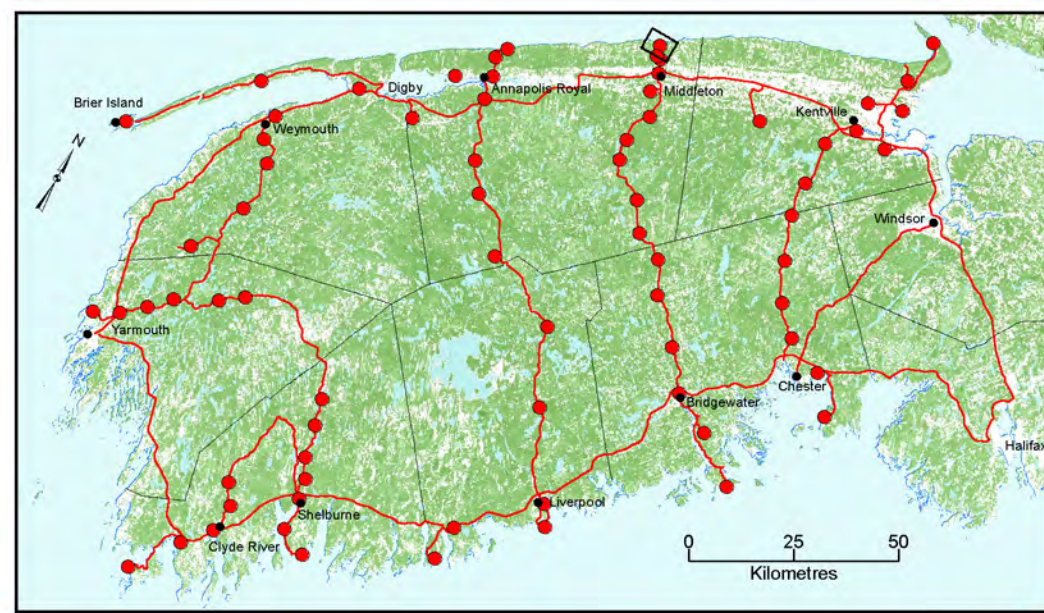
Deployed: 9/3/2002

Easting: 333045.121

Northing: 4985700.586

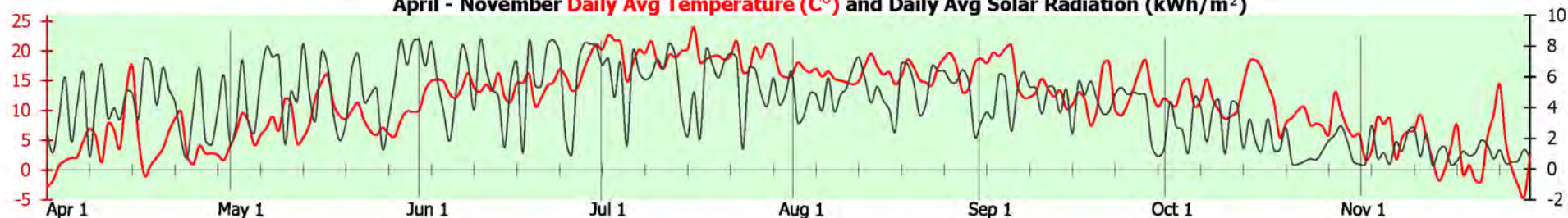
Height (m): 85.83

[UTM Zone 20, NAD 83]

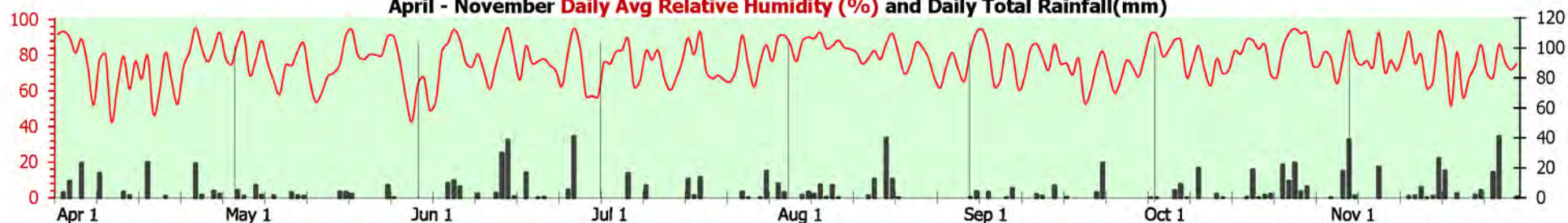


2014 Weather for Station S10

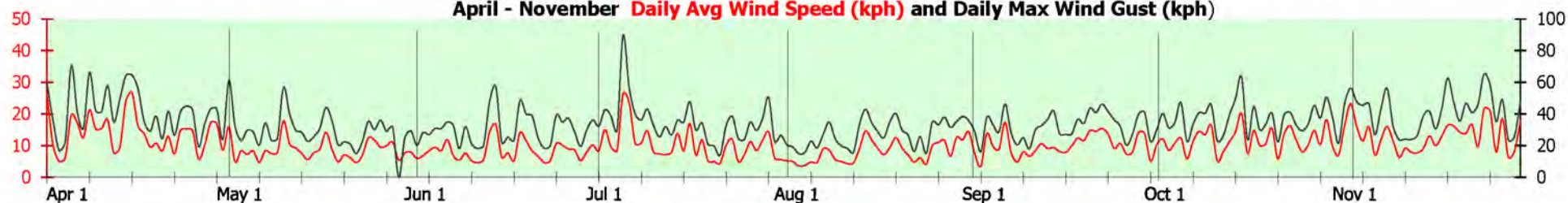
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:
September 03, 2002

RH, Rain and Wind Sensors
September 3, 2002

Frost Free Start:
May 29, 2014 06:10

Frost Free End:
November 15, 2014 07:05

Frost Free Duration:
170 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	9 [0]	0 [0]	-19.61	13.83	-3.81	-3.60	30.4	0.98	1.08	88.0	14.5	70.1
February	0 [0]	0 [0]	-15.91	10.05	-3.92	-3.78	59.4	2.12	2.17	56.4	11.8	72.8
March	0 [0]	0 [0]	-15.51	9.76	-3.07	-2.70	106.8	3.45	3.17	95.6	12.8	85.1
April	53 [0]	13 [0]	-4.11	22.51	4.82	5.02	121.5	4.05	3.92	116.2	13.9	70.4
May	138 [15]	28 [1]	-0.55	22.12	9.04	9.62	157.8	5.09	4.97	43.2	8.7	61.2
June	306 [306]	156 [156]	3.73	25.88	14.80	15.56	175.3	5.84	5.80	167.2	8.3	57.4
July	463 [463]	308 [308]	9.82	29.28	19.74	19.29	175.5	5.66	5.45	87.6	10.4	89.7
August	374 [374]	219 [219]	7.94	25.33	16.91	17.43	158.5	5.11	5.04	93.0	8.0	42.9
September	294 [294]	147 [147]	3.36	25.88	14.79	14.48	132.2	4.41	4.26	53.4	10.1	46.2
October	209 [209]	73 [73]	1.48	23.83	11.82	11.68	68.9	2.22	2.17	128.6	11.6	63.4
November	48 [24]	5 [0]	-5.57	18.84	4.44	4.34	32.8	1.09	1.21	202.8	13.2	65.3
December	19 [0]	2 [0]	-11.98	17.46	1.19	1.49	29.1	0.94	1.03	167.8	12.5	61.2
Totals, Averages or Extremes	1913 [1685]	951 [904]	-19.61	29.28	7.23	7.40	1248.2	40.97	40.26	1299.8	10.7	89.7

Southwest NS Weather Study

Station Description

Station ID: S20 (C)

Location: Nictaux West

County: Annapolis

Contact: Ivan Shilladay

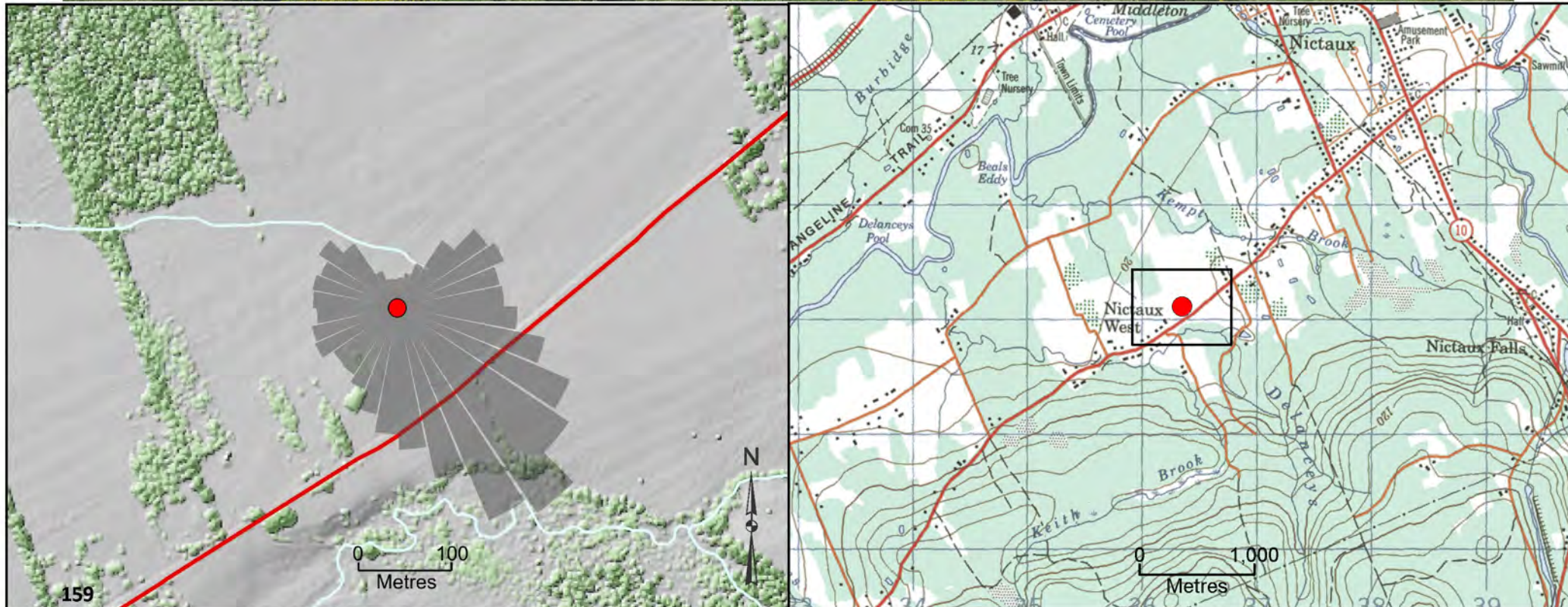
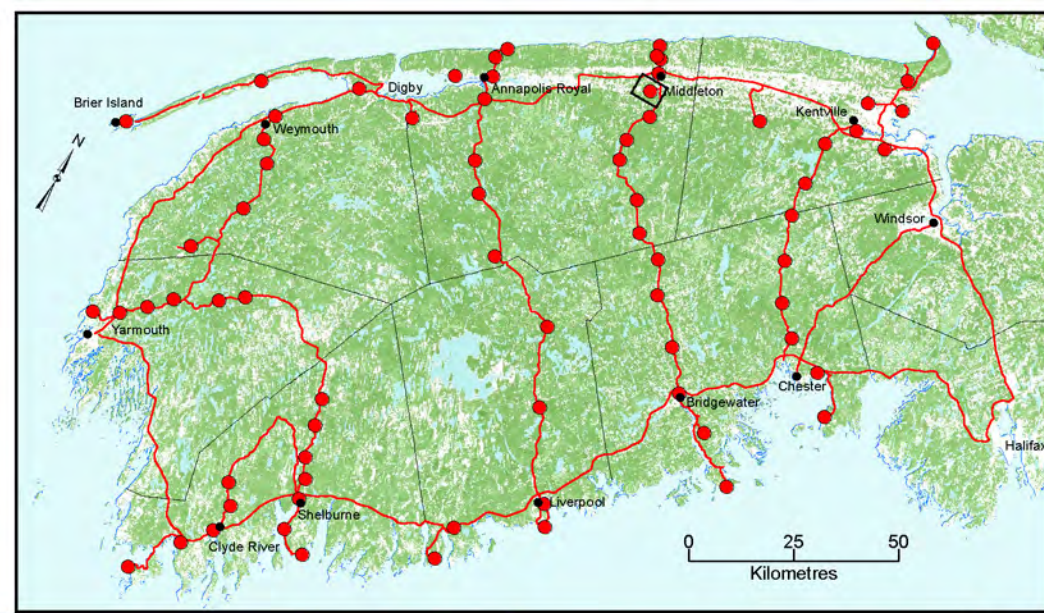
Deployed: 10/21/2005

Easting: 336355.877

Northing: 4975120.91

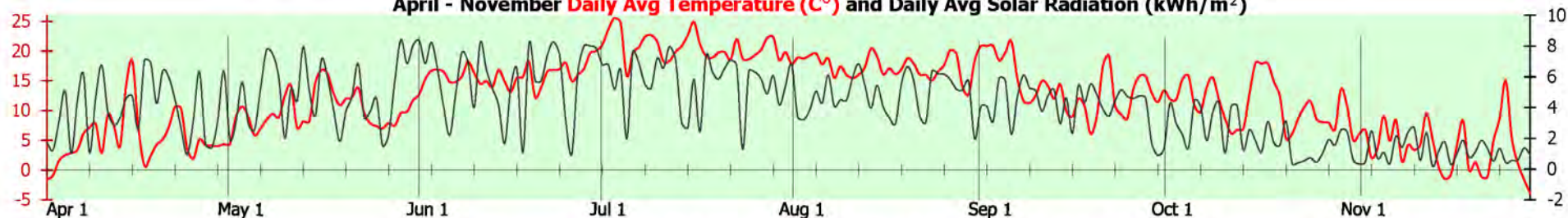
Height (m): 25.29

[UTM Zone 20, NAD 83]

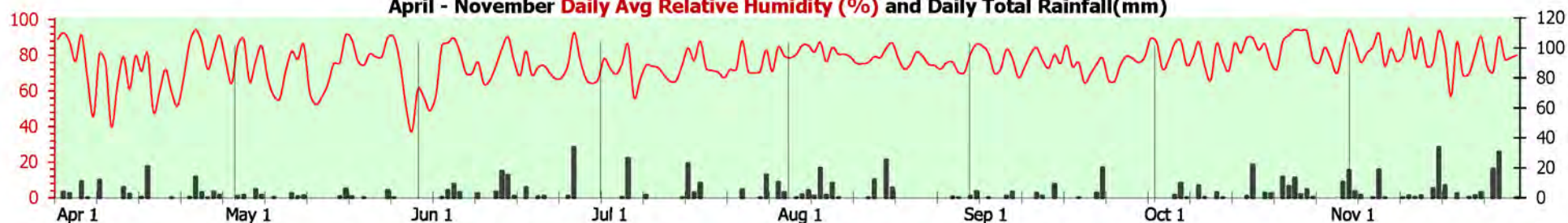


2014 Weather Data for Station S20

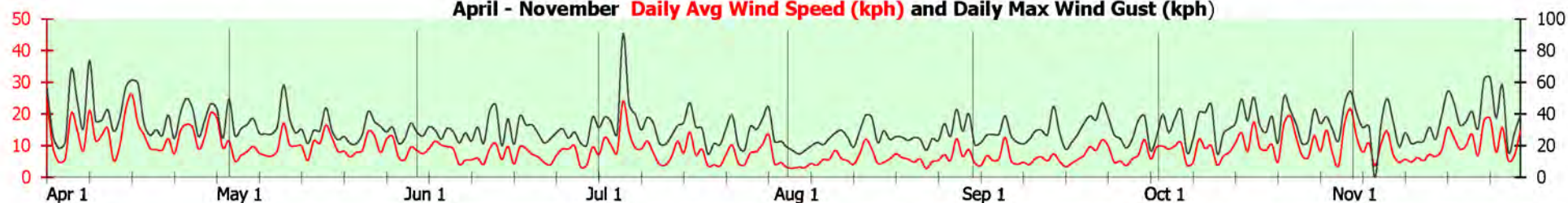
April - November Daily Avg Temperature (C°) and Daily Avg Solar Radiation (kWh/m²)



April - November Daily Avg Relative Humidity (%) and Daily Total Rainfall(mm)



April - November Daily Avg Wind Speed (kph) and Daily Max Wind Gust (kph)



Station Deployment:
October 21, 2005

RH, Rain and Wind Sensors
September 9, 2003

Frost Free Start:
May 29, 2014 06:10

Frost Free End:
September 20, 2014 07:15

Frost Free Duration:
114 days

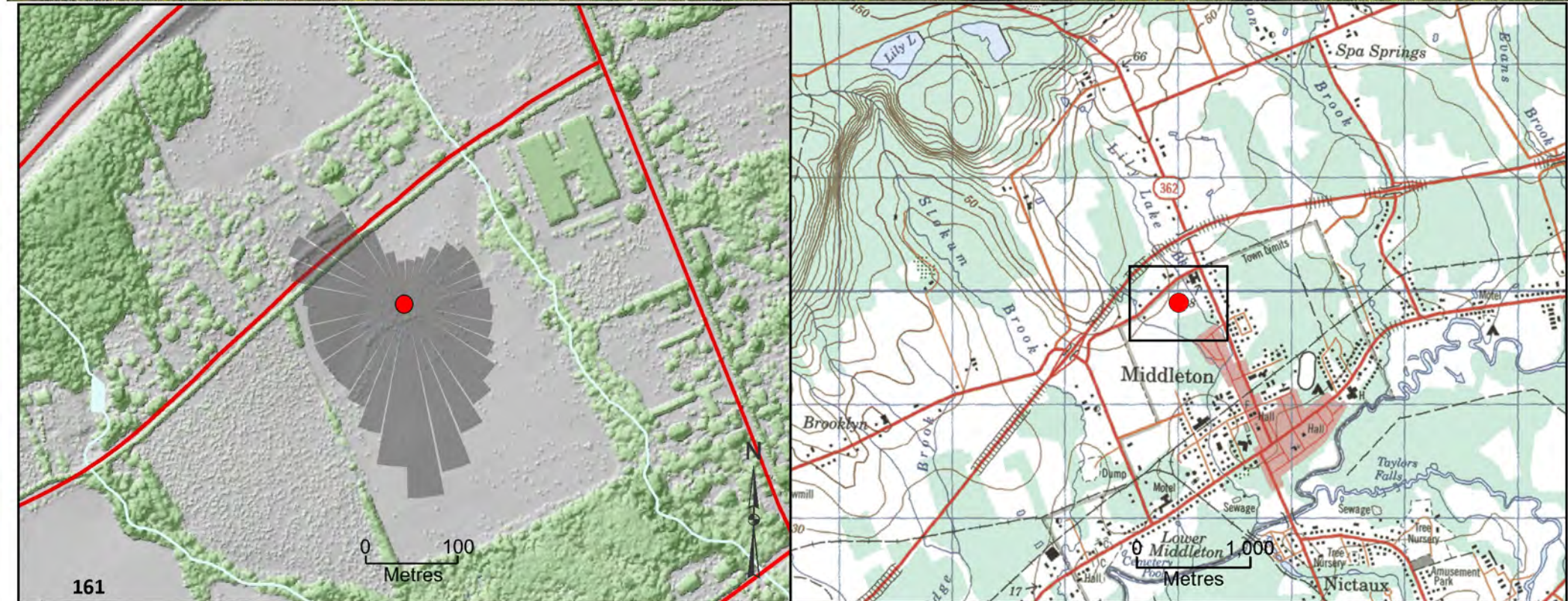
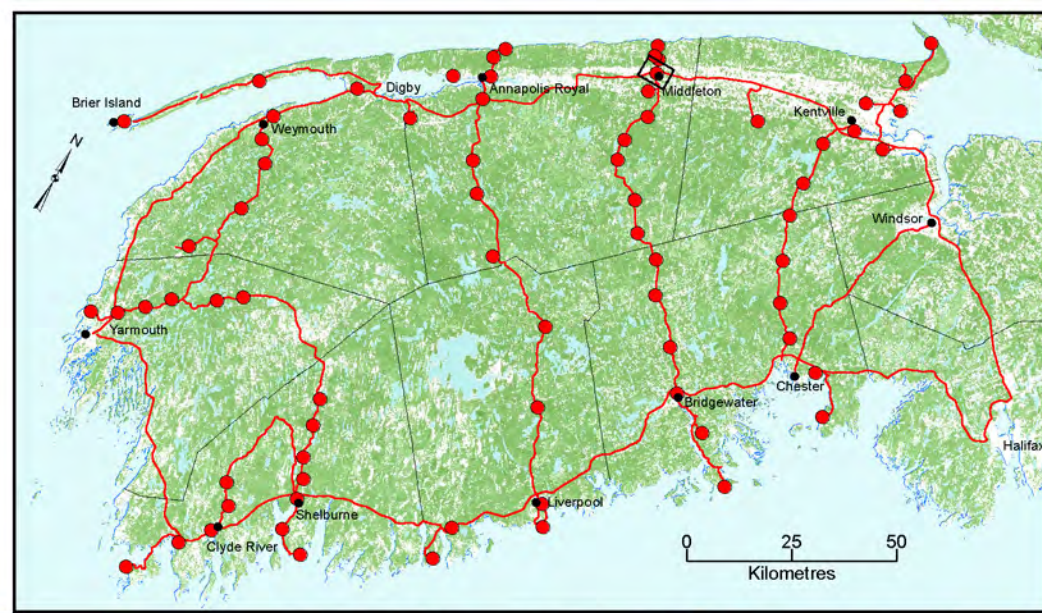
2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	10 [0]	0 [0]	-20.15	14.16	-3.93	-3.60	29.3	1.08	1.08	28.7	13.1	54.5
February	0 [0]	0 [0]	-24.19	9.91	-4.62	-3.78	40.2	1.68	2.17	4.6	10.7	57.3
March	0 [0]	0 [0]	-27.99	10.55	-3.76	-2.70	104.8	3.38	3.17	68.6	11.8	80.9
April	53 [0]	13 [0]	-6.53	23.15	5.25	5.02	117.9	3.69	3.92	84.8	13.5	68.0
May	157 [5]	41 [0]	-2.18	24.21	9.79	9.62	149.4	4.60	4.97	29.4	9.5	56.0
June	291 [291]	174 [161]	0.81	29.68	15.83	15.56	143.7	5.67	5.80	103.4	7.1	45.8
July	486 [486]	331 [331]	8.26	30.31	20.70	19.29	175.8	5.46	5.45	100.6	8.5	90.6
August	389 [389]	234 [234]	2.73	28.06	17.33	17.43	151.0	4.69	5.04	86.6	5.9	43.0
September	265 [180]	126 [89]	-2.16	28.69	14.02	14.48	128.4	4.12	4.26	47.0	6.4	47.1
October	183 [0]	61 [0]	-2.18	23.70	11.01	11.68	21.9	1.97	2.17	95.0	10.3	42.6
November	33 [0]	4 [0]	-7.92	19.40	3.71	4.34	34.8	0.85	1.21	164.2	10.3	54.2
December	9 [0]	0 [0]	-11.56	17.88	1.02	1.49	30.2	0.97	1.03	119.8	11.3	54.0
Totals, Averages or Extremes	1876 [1351]	984 [815]	-27.99	30.31	7.20	7.40	1127.3	38.17	40.26	932.6	9.2	90.6

Southwest NS Weather Study

Station Description

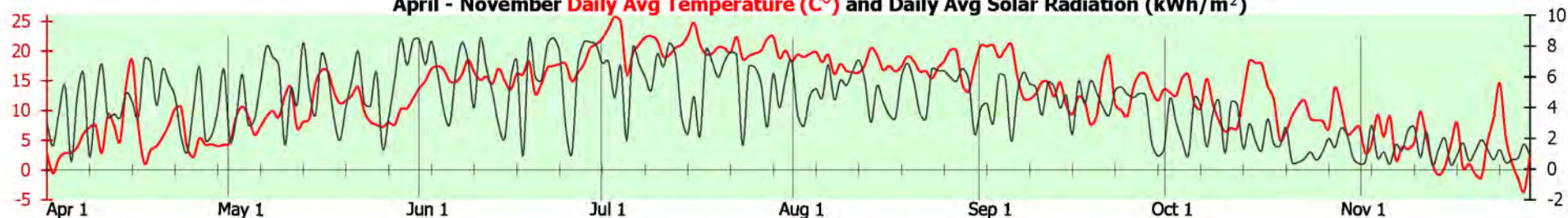
Station ID: S30 (C)
Location: Middleton
County: Annapolis
Contact: David Colville
Deployed: 9/9/2003

Easting: 336010.234
Northing: 4979908.951
Height (m): 27.17
[UTM Zone 20, NAD 83]

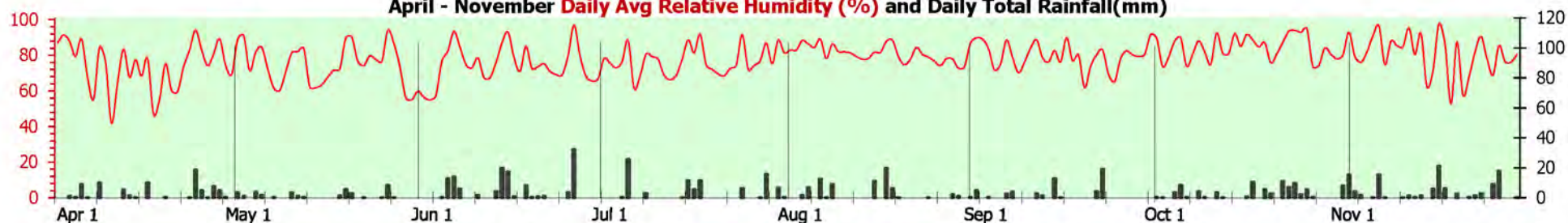


2014 Weather Data for Station S30

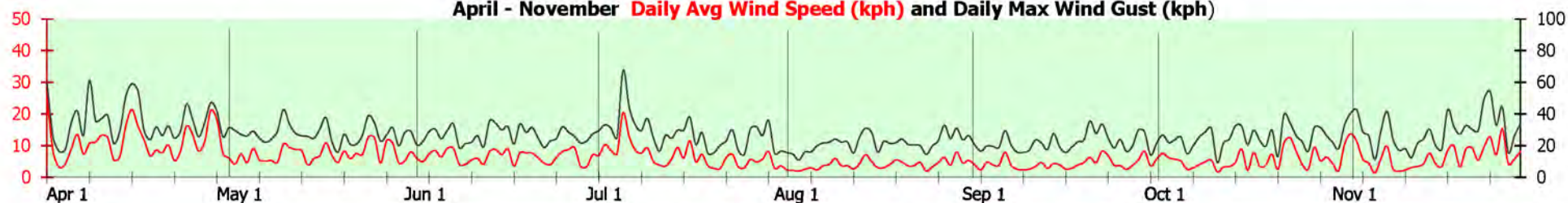
April - November Daily Avg Temperature (C°) and Daily Avg Solar Radiation (kWh/m²)



April - November Daily Avg Relative Humidity (%) and Daily Total Rainfall(mm)



April - November Daily Avg Wind Speed (kph) and Daily Max Wind Gust (kph)



Station Deployment:
September 09, 2003

RH, Rain and Wind Sensors
September 9, 2003

Frost Free Start:
May 29, 2014 06:10

Frost Free End:
November 08, 2014 22:25

Frost Free Duration:
163.7 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	11 [0]	0 [0]	-20.00	15.29	-3.88	-3.60	35.5	1.15	1.08	72.4	10.0	59.9
February	0 [0]	0 [0]	-24.62	9.55	-4.49	-3.78	65.8	2.35	2.17	30.8	8.8	62.2
March	3 [0]	0 [0]	-27.72	14.09	-3.40	-2.70	109.0	3.51	3.17	68.8	10.0	89.7
April	53 [0]	13 [0]	-4.16	22.74	5.52	5.02	123.5	4.12	3.92	75.0	11.3	61.3
May	171 [17]	43 [2]	-1.41	23.83	10.20	9.62	158.2	5.10	4.97	34.8	7.3	42.8
June	343 [343]	193 [193]	2.15	30.20	16.36	15.56	180.4	6.01	5.80	123.8	6.6	35.9
July	502 [502]	347 [347]	9.97	31.23	21.01	19.29	177.2	5.72	5.45	87.4	6.8	67.6
August	408 [408]	253 [253]	3.51	28.31	17.74	17.43	160.5	5.18	5.04	72.4	4.0	32.9
September	281 [281]	138 [138]	-1.01	29.25	14.33	14.48	133.1	4.44	4.26	52.6	4.3	35.6
October	187 [187]	63 [63]	-1.23	24.15	11.18	11.68	68.4	2.21	2.17	77.2	5.4	39.7
November	35 [11]	4 [0]	-7.46	19.22	3.96	4.34	35.1	1.17	1.21	117.2	6.8	54.3
December	21 [0]	3 [0]	-11.34	17.70	1.25	1.49	30.0	0.97	1.03	85.6	8.5	52.1
Totals, Averages or Extremes	2015 [1749]	1057 [996]	-27.72	31.23	7.48	7.40	1276.7	41.92	40.26	898.0	6.8	89.7

Southwest NS Weather Study

Station Description

Station ID: S40 (C)

Location: North Mountain

County: Annapolis

Contact: Greg Dixon

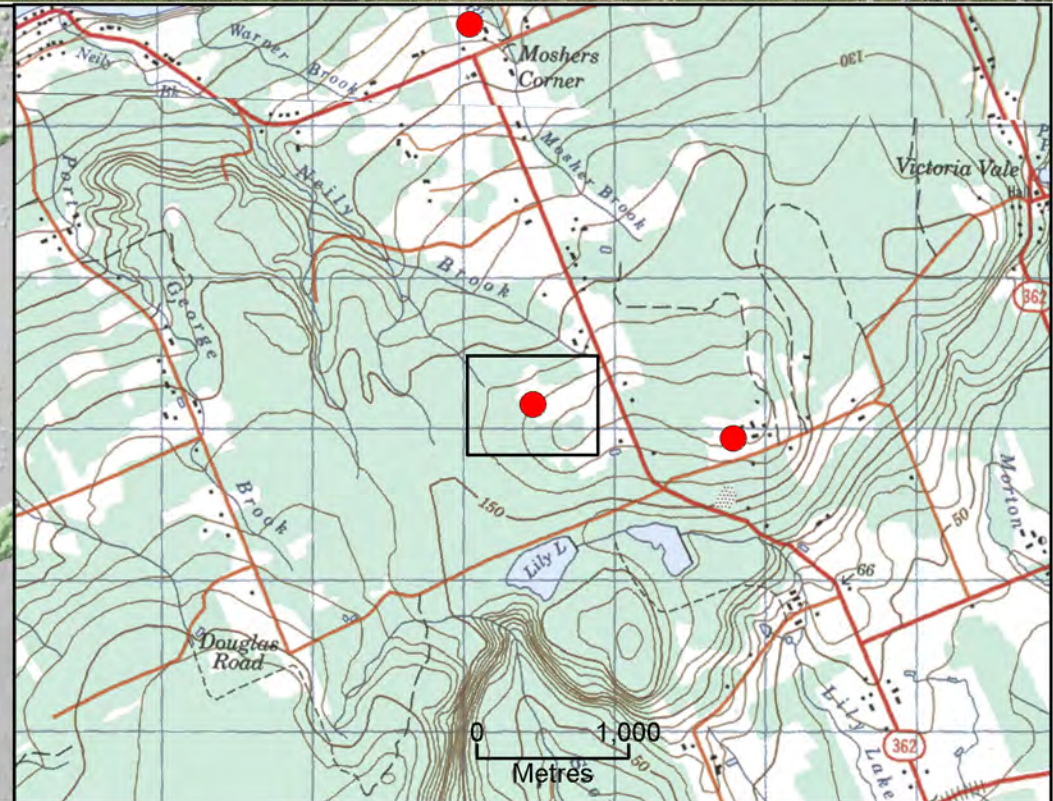
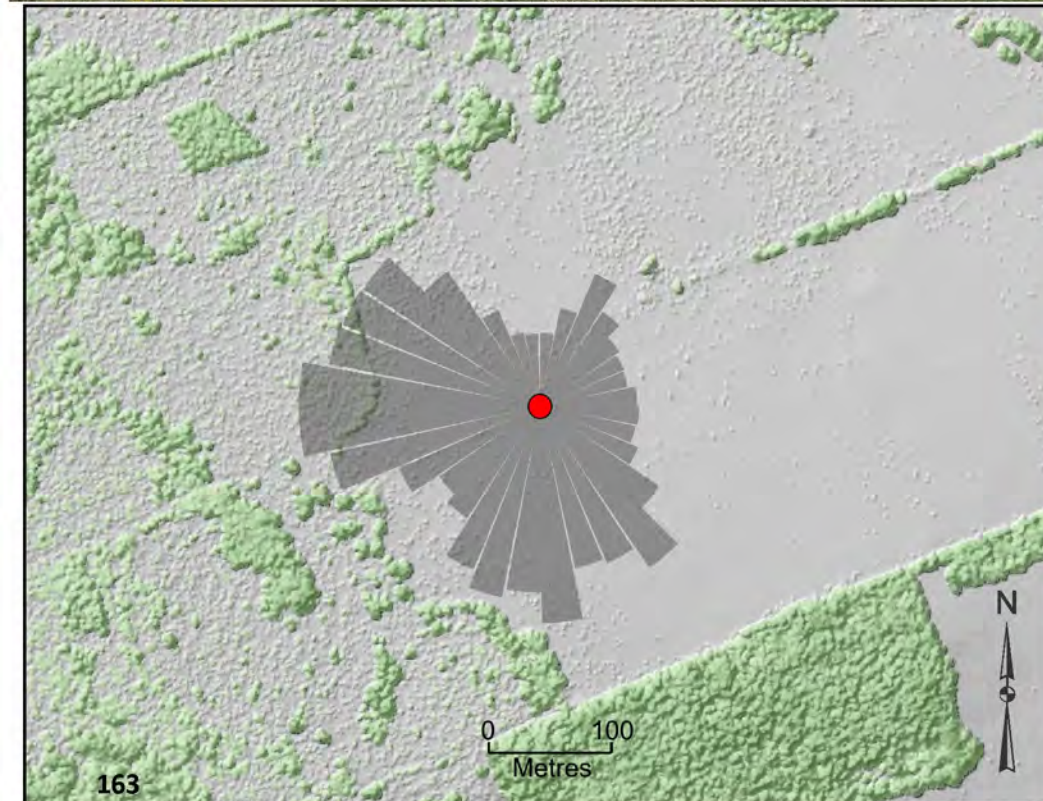
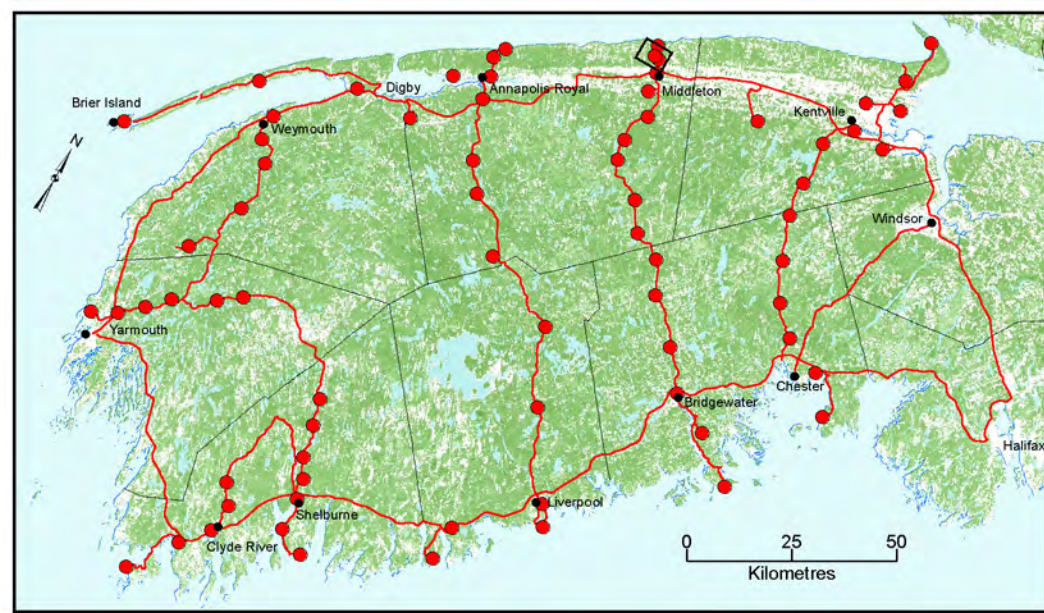
Deployed: 9/10/2003

Easting: 333466.37

Northing: 4983179.812

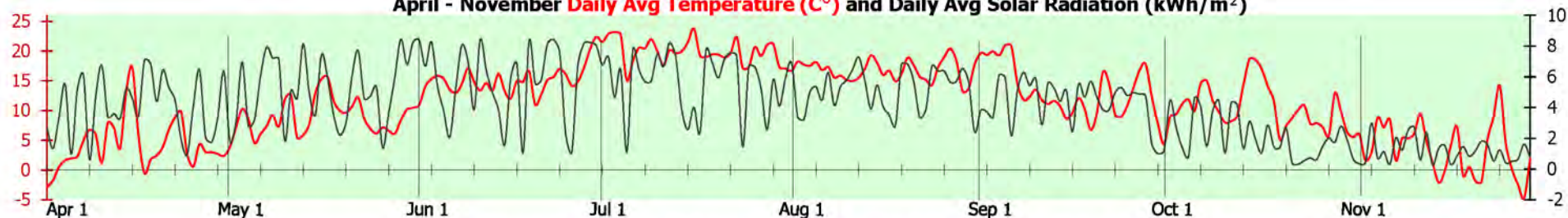
Height (m): 165.62

[UTM Zone 20, NAD 83]

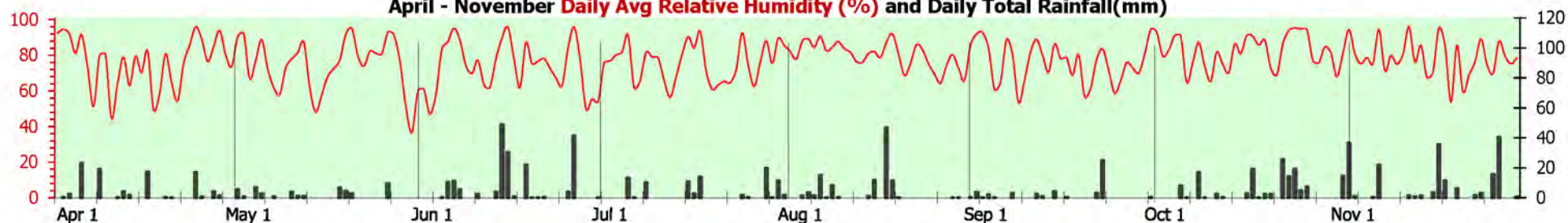


2014 Weather Data for Station S40

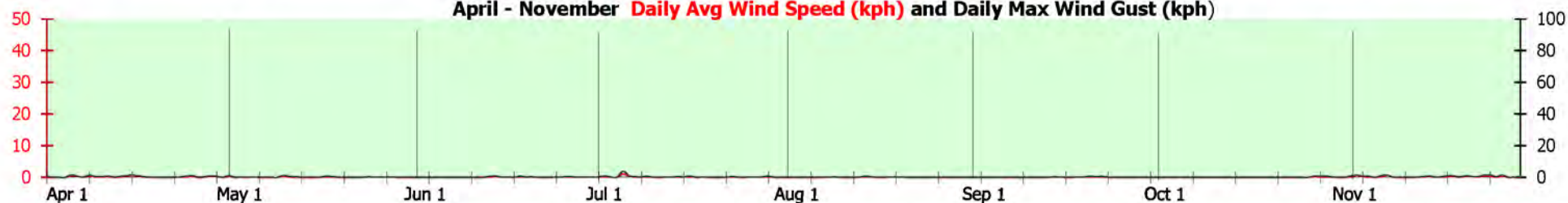
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:
September 19, 2003

RH, Rain and Wind Sensors
May 12, 2004

Frost Free Start:
May 29, 2014 06:10

Frost Free End:
November 15, 2014 07:05

Frost Free Duration:
170 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	0 [0]	0 [0]	-20.81	9.54	-6.29	-3.60	28.8	1.07	1.08	36.4	12.1	40.5
February	0 [0]	0 [0]	-14.81	6.22	-5.20	-3.78	61.4	2.19	2.17	35.6	12.2	66.7
March	0 [0]	0 [0]	-16.52	8.48	-4.50	-2.70	108.4	3.50	3.17	93.6	11.6	84.0
April	35 [0]	8 [0]	-5.24	21.36	3.35	5.02	122.4	4.08	3.92	93.8		
May	115 [12]	23 [2]	-1.69	21.61	8.13	9.62	159.3	5.14	4.97	47.6		
June	299 [299]	149 [149]	2.84	28.58	14.80	15.56	176.4	5.88	5.80	182.4		
July	462 [462]	307 [307]	9.35	28.53	19.95	19.29	175.6	5.67	5.45	87.2		
August	369 [369]	214 [214]	6.01	26.36	16.75	17.43	161.3	5.20	5.04	103.2		
September	278 [278]	133 [133]	3.05	26.61	14.11	14.48	134.2	4.47	4.26	46.6		
October	186 [186]	62 [62]	0.23	22.83	11.02	11.68	66.8	2.16	2.17	126.6		
November	33 [15]	3 [0]	-7.14	18.02	3.59	4.34	35.1	1.17	1.21	198.4		
December	2 [0]	5 [0]	-12.51	16.52	-0.20	1.49	6.3	1.05	1.03	16.8		
Totals, Averages or Extremes	1779 [1621]	904 [867]	-20.81	28.58	6.29	7.40	1236.1	41.57	40.26	1068.2		

Southwest NS Weather Study

Station Description

Station ID: S60 (C)

Location: Sheffield Mills

County: Kings

Contact: Dale Hebb

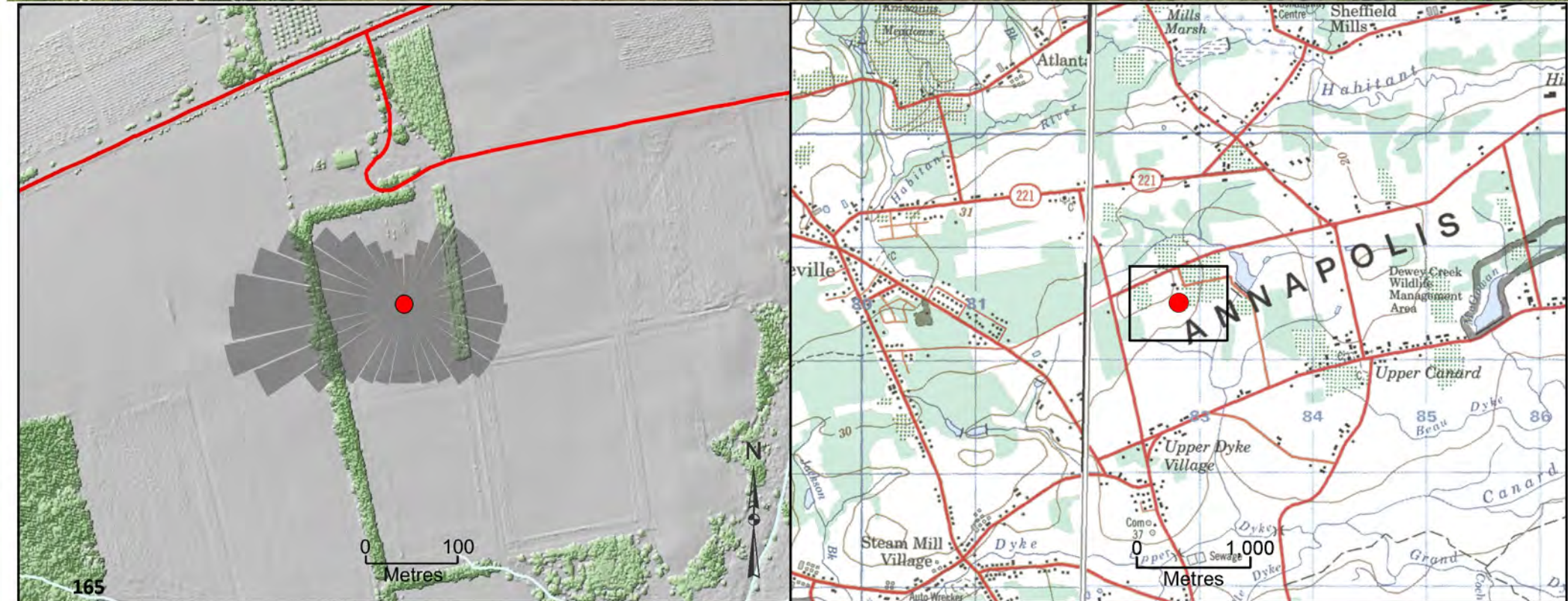
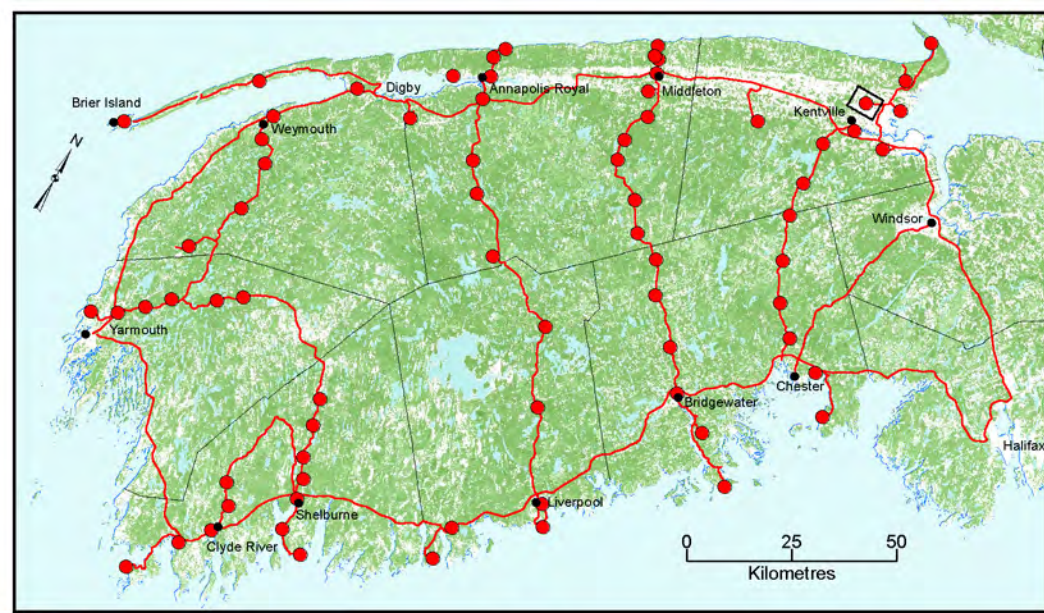
Deployed: 9/19/2003

Easting: 382818.778

Northing: 4998516.228

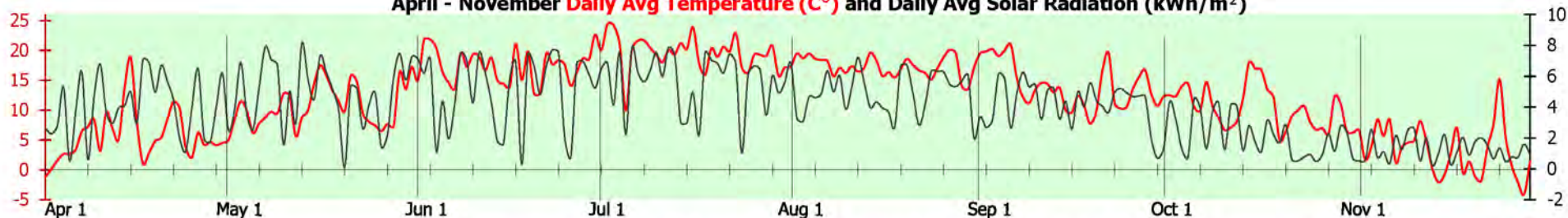
Height (m): 25.28

[UTM Zone 20, NAD 83]

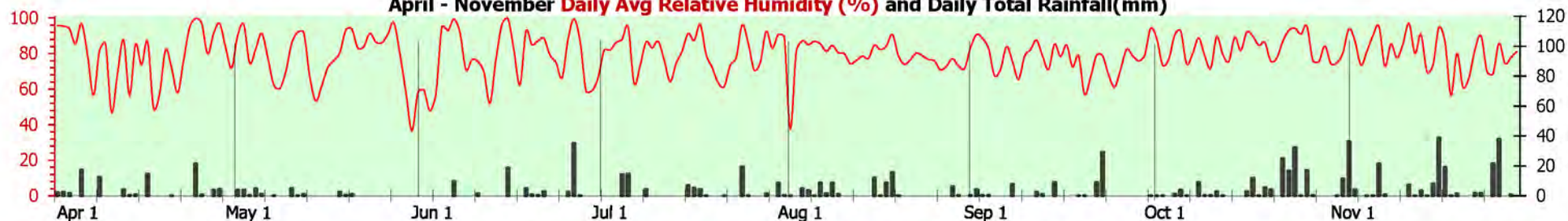


2014 Weather Data for Station S60

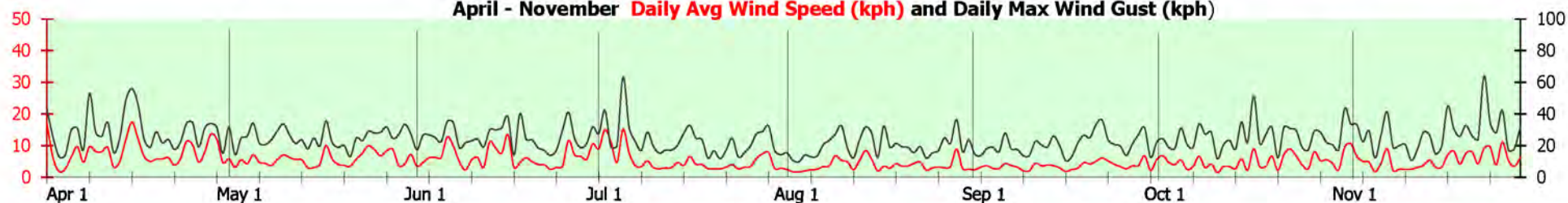
April - November Daily Avg Temperature (C°) and Daily Avg Solar Radiation (kWh/m²)



April - November Daily Avg Relative Humidity (%) and Daily Total Rainfall(mm)



April - November Daily Avg Wind Speed (kph) and Daily Max Wind Gust (kph)



Station Deployment:
September 16, 2003

RH, Rain and Wind Sensors
September 19, 2003

Frost Free Start:
May 29, 2014 06:10

Frost Free End:
November 09, 2014 00:10

Frost Free Duration:
163.7 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	5 [0]	0 [0]	-20.96	12.98	-4.22	-3.60	40.0	1.29	1.08	93.2	7.5	54.4
February	0 [0]	0 [0]	-21.76	9.27	-4.31	-3.78	68.5	2.45	2.17	70.8	6.0	45.8
March	1 [0]	0 [0]	-21.57	10.47	-3.32	-2.70	109.9	3.54	3.17	114.6	6.9	67.0
April	60 [1]	14 [0]	-4.01	23.79	5.70	5.02	121.5	4.05	3.92	87.6	7.9	56.1
May	179 [179]	60 [60]	0.54	24.88	11.05	9.62	141.1	4.87	4.97	25.0	5.1	35.6
June	356 [356]	221 [221]	2.26	29.83	19.04	15.56	145.1	5.37	5.80	13.6	5.5	26.7
July	433 [433]	285 [285]	-1.81	31.54	19.72	19.29	165.6	5.52	5.45	80.8	4.5	63.4
August	393 [393]	238 [238]	3.87	29.42	17.32	17.43	154.4	4.98	5.04	73.4	3.8	36.5
September	279 [279]	132 [132]	0.04	28.99	14.18	14.48	128.2	4.27	4.26	64.4	3.6	36.2
October	168 [168]	50 [50]	-1.27	23.43	10.64	11.68	67.7	2.18	2.17	135.6	4.7	51.4
November	28 [9]	4 [0]	-8.78	19.03	3.39	4.34	37.1	1.24	1.21	218.0	5.6	64.1
December	18 [0]	2 [0]	-12.35	16.75	0.72	1.49	30.2	0.97	1.03	180.6	5.7	43.0
Totals, Averages or Extremes	1920 [1818]	1006 [986]	-21.76	31.54	7.49	7.40	1209.3	40.74	40.26	1157.6	5.2	67.0

Southwest NS Weather Study

Station Description

Station ID: S70 (C)

Location: Nictaux South

County: Annapolis

Contact: M. & G. Foster

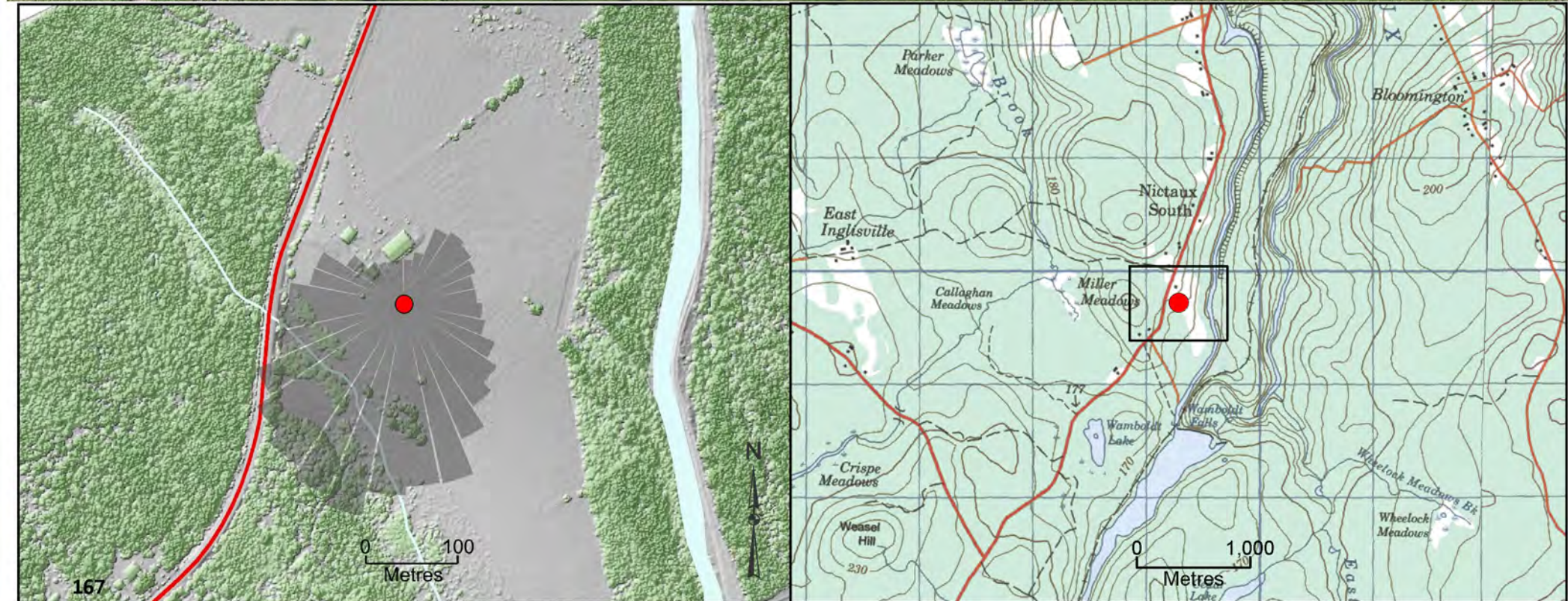
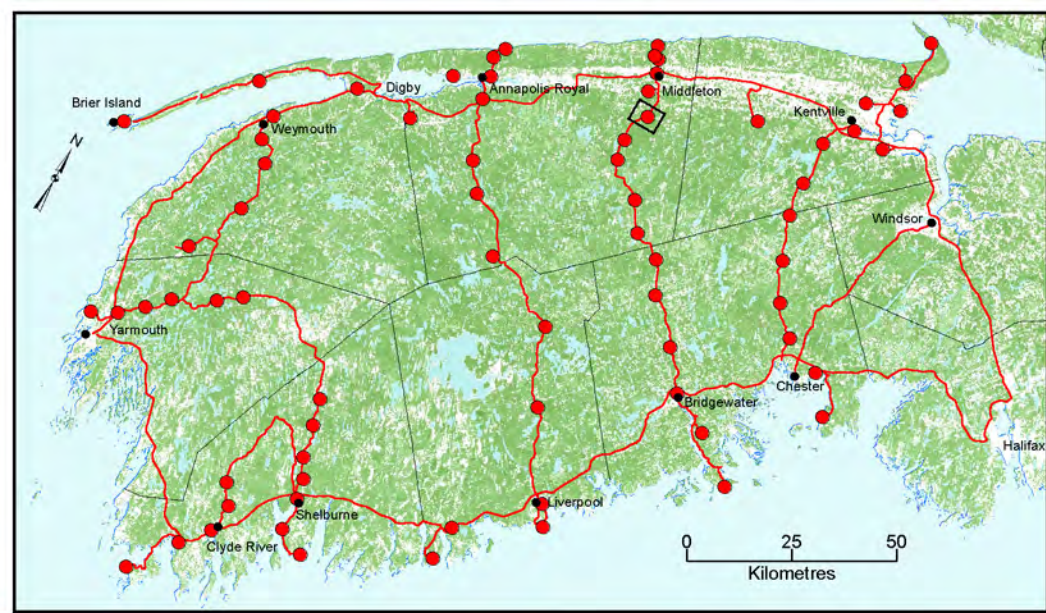
Deployed: 9/16/2003

Easting: 339300.27

Northing: 4969724.065

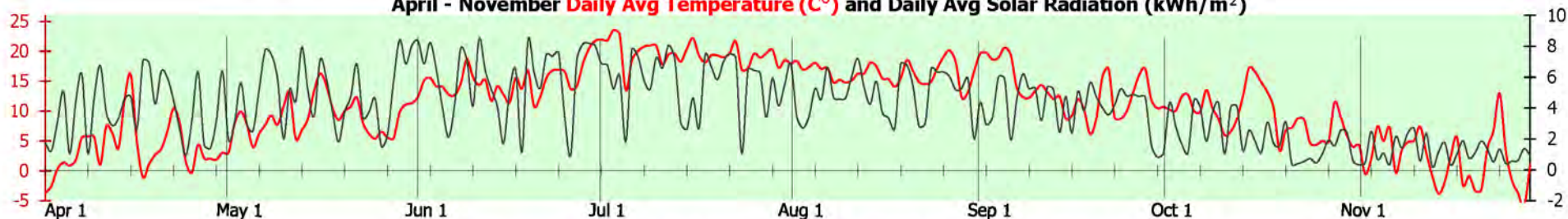
Height (m): 182.62

[UTM Zone 20, NAD 83]

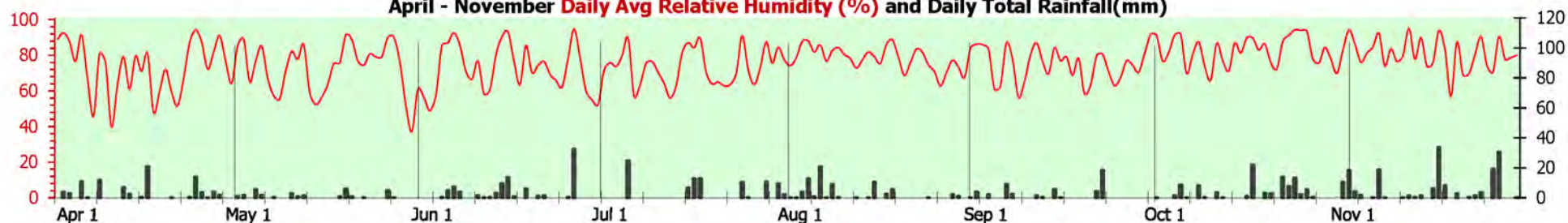


2014 Weather Data for Station S70

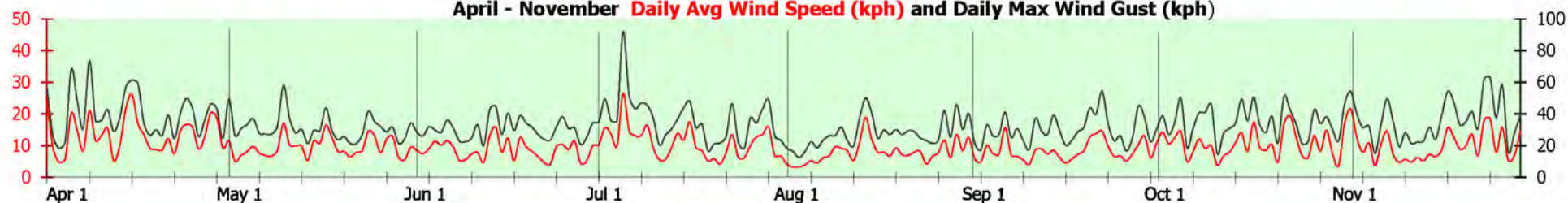
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:
September 30, 2003

RH, Rain and Wind Sensors
September 16, 2003

Frost Free Start:
May 29, 2014 06:10

Frost Free End:
November 09, 2014 00:10

Frost Free Duration:
163.8 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	3 [0]	0 [0]	-22.03	11.79	-5.63	-3.60	34.6	1.12	1.08	107.6	12.5	61.6
February	0 [0]	0 [0]	-18.54	7.71	-5.66	-3.78	59.3	2.12	2.17	38.8	10.5	62.7
March	0 [0]	0 [0]	-18.89	8.91	-4.66	-2.70	104.8	3.38	3.17	68.6	11.8	87.7
April	40 [0]	9 [0]	-5.51	20.47	3.76	5.02	117.9	3.93	3.92	84.8	13.5	73.7
May	132 [17]	29 [3]	-1.56	23.64	8.83	9.62	149.4	4.82	4.97	29.4	9.5	58.3
June	298 [298]	148 [148]	3.08	28.21	14.95	15.56	176.6	5.89	5.80	87.6	8.6	44.8
July	460 [460]	305 [305]	8.14	28.43	19.60	19.29	176.2	5.68	5.45	90.0	10.9	92.0
August	365 [365]	210 [210]	4.57	27.02	16.38	17.43	153.8	4.96	5.04	71.2	7.9	50.0
September	257 [257]	115 [115]	0.53	27.41	13.49	14.48	127.2	4.24	4.26	48.8	8.2	54.3
October	146 [146]	39 [39]	-0.47	21.02	9.51	11.68	67.0	2.16	2.17	95.0	10.3	50.9
November	15 [2]	2 [0]	-8.53	16.02	2.05	4.34	34.8	1.16	1.21	164.2	10.3	62.9
December	9 [0]	0 [0]	-13.46	14.36	-0.93	1.49	30.2	0.97	1.03	119.8	11.3	60.3
Totals, Averages or Extremes	1725 [1545]	857 [820]	-22.03	28.43	5.97	7.40	1231.7	40.43	40.26	1005.8	10.1	92.0

Southwest NS Weather Study

Station Description

Station ID: S80 (C)

Location: Port Royal

County: Annapolis

Contact: Allan Sloan

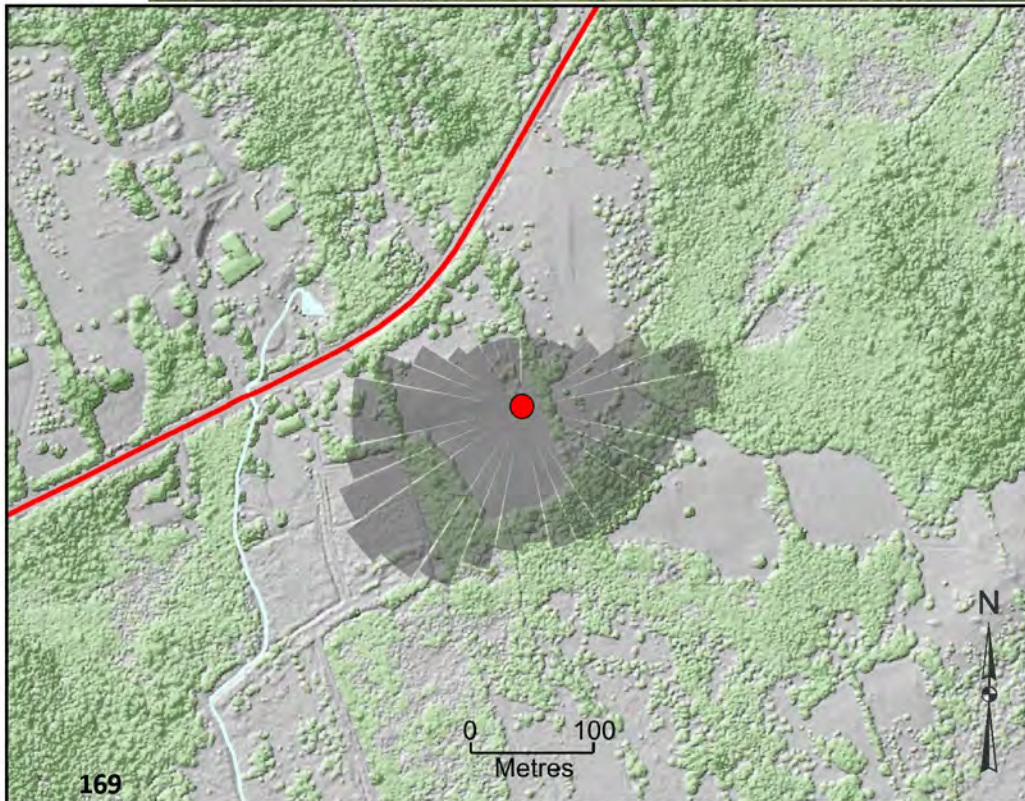
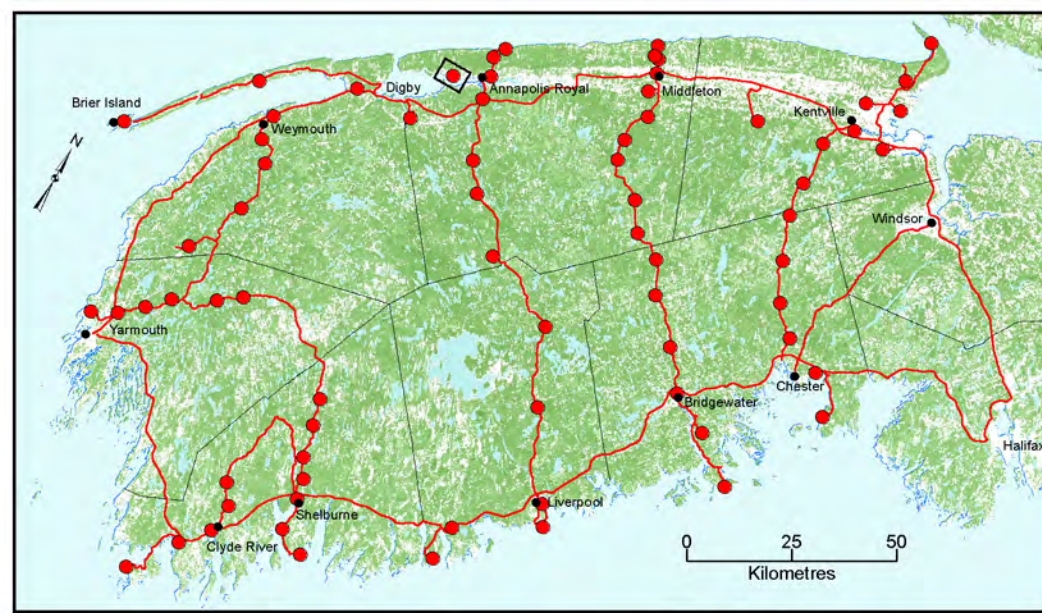
Deployed: 9/30/2003

Easting: 294317.614

Northing: 4955022.431

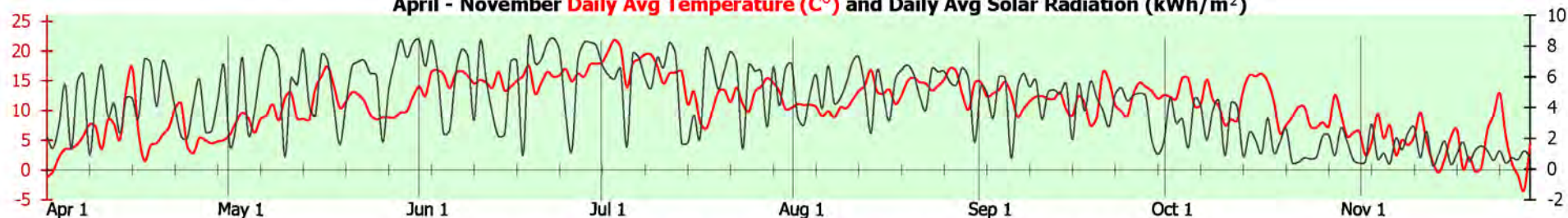
Height (m): 12.36

[UTM Zone 20, NAD 83]

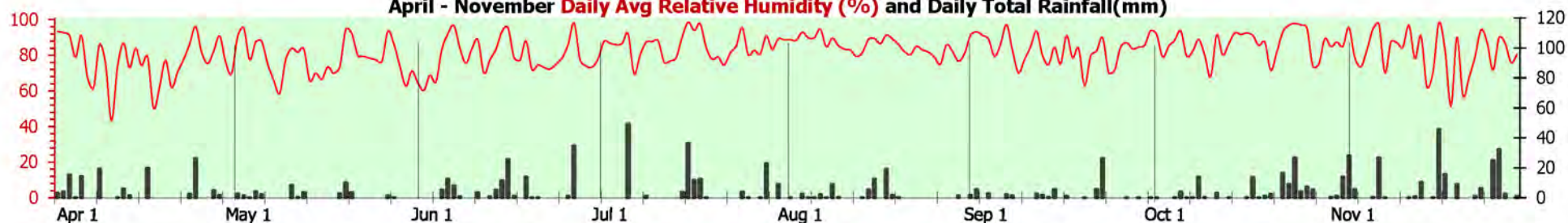


2014 Weather Data for Station S80

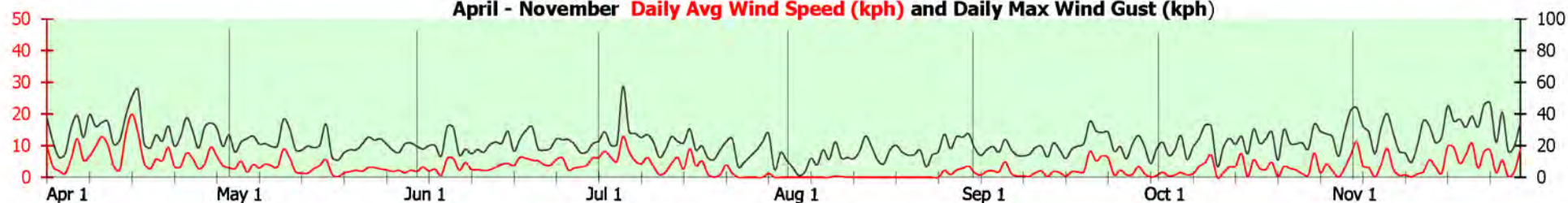
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:
September 30, 2003

RH, Rain and Wind Sensors
September 30, 2003

Frost Free Start:
May 29, 2014 06:10

Frost Free End:
November 09, 2014 01:35

Frost Free Duration:
163.8 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	8 [0]	0 [0]	-19.16	12.90	-3.16	-3.60	30.8	0.99	1.08	96.4	8.3	64.0
February	0 [0]	0 [0]	-18.41	8.85	-3.24	-3.78	58.7	2.10	2.17	74.2	6.1	53.1
March	2 [0]	0 [0]	-19.00	10.69	-2.28	-2.70	104.6	3.37	3.17	99.0	7.1	57.9
April	54 [0]	12 [0]	-3.74	21.22	5.71	5.02	125.2	4.17	3.92	119.6	7.0	55.4
May	183 [12]	45 [2]	-0.70	23.86	10.44	9.62	169.6	5.47	4.97	41.0	2.9	36.6
June	321 [321]	171 [171]	3.47	27.64	15.45	15.56	179.7	5.99	5.80	124.4	3.8	31.8
July	458 [458]	303 [303]	8.77	28.99	19.66	19.29	172.9	5.58	5.45	152.2	3.5	57.5
August	398 [398]	243 [243]	3.78	26.60	17.52	17.43	163.9	5.29	5.04	57.4	0.4	27.4
September	267 [267]	126 [126]	-0.76	28.59	13.96	14.48	132.8	4.43	4.26	57.0	2.1	35.4
October	181 [181]	56 [56]	-0.25	20.98	10.98	11.68	69.8	2.25	2.17	110.6	2.6	33.5
November	31 [14]	3 [0]	-5.56	17.35	4.28	4.34	34.1	1.14	1.21	225.8	4.6	46.8
December	19 [0]	2 [0]	-10.08	16.13	1.89	1.49	29.6	0.96	1.03	153.6	3.4	42.0
Totals, Averages or Extremes	1922 [1651]	961 [901]	-19.16	28.99	7.60	7.40	1271.9	41.74	40.26	1311.2	3.4	64.0

Southwest NS Weather Study

Station Description

Station ID: S90 (C)

Location: Gaspereau

County: Kings

Contact: Chris Wescott

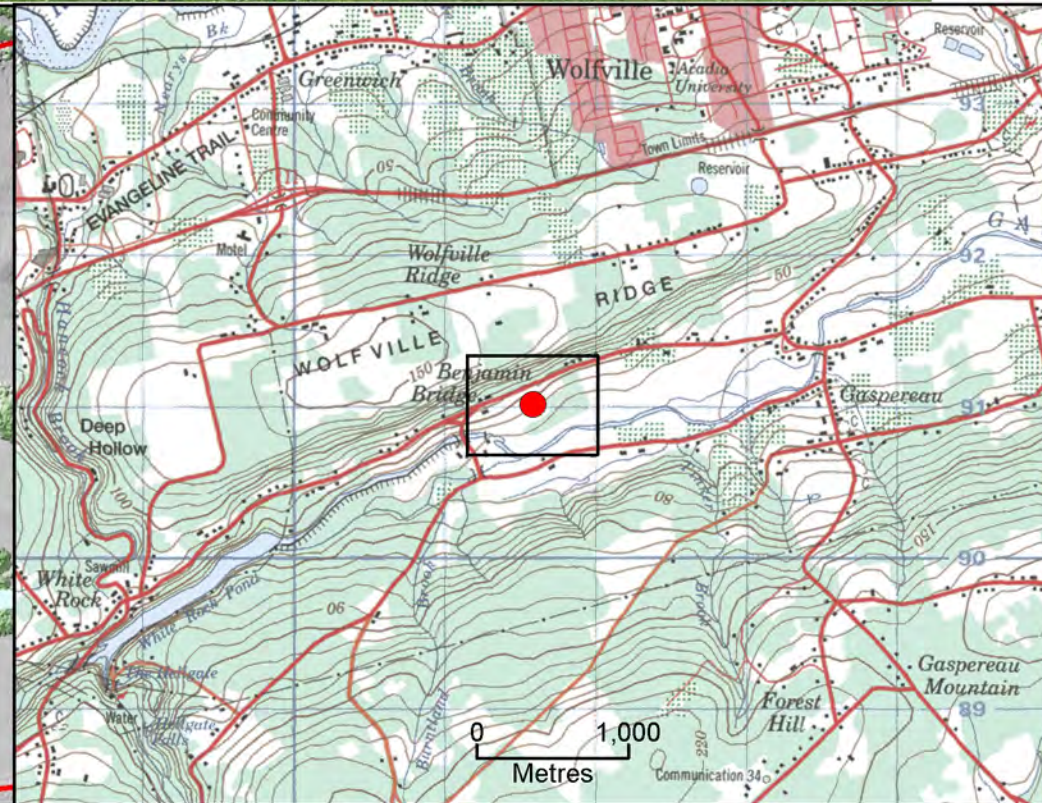
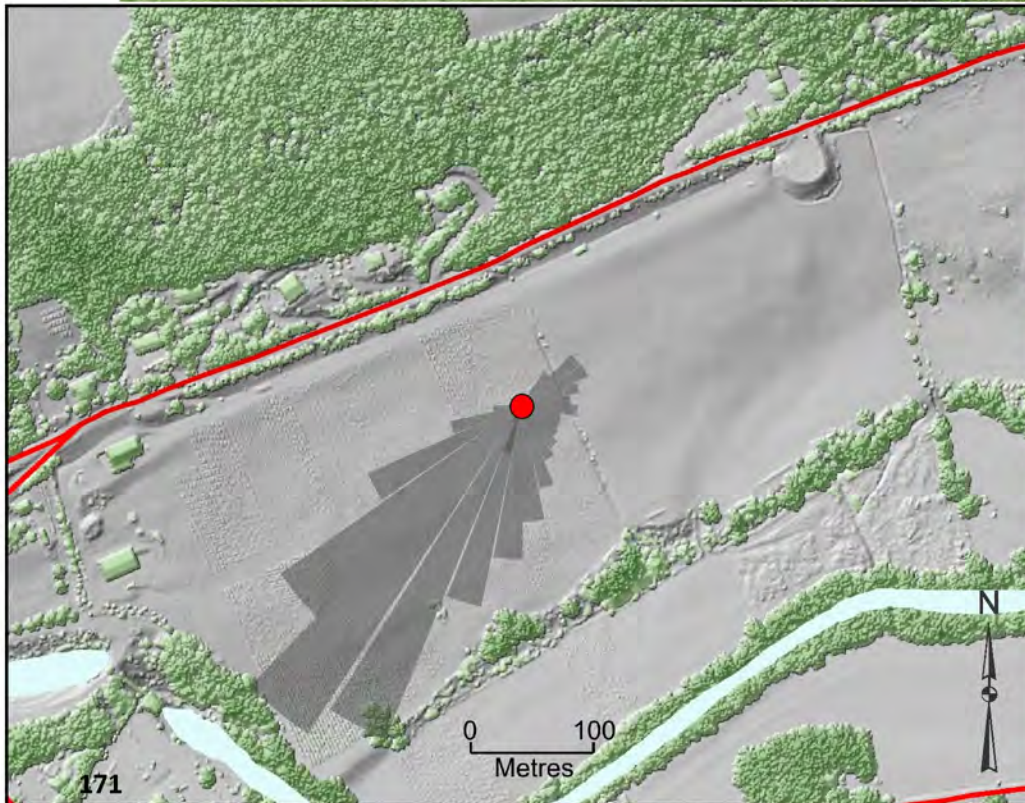
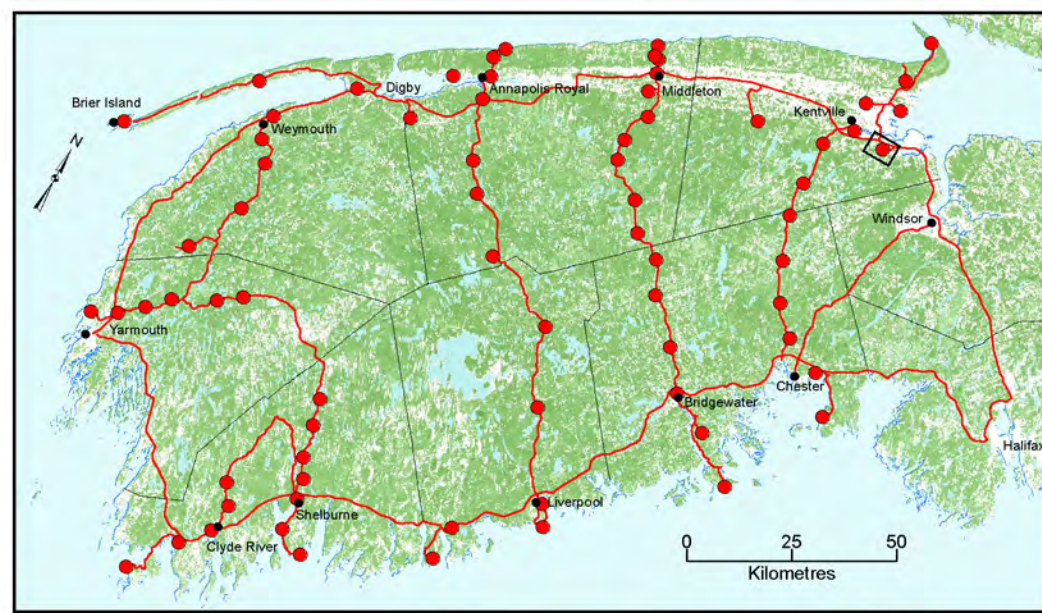
Deployed: 9/30/2003

Easting: 391595.48

Northing: 4991028.723

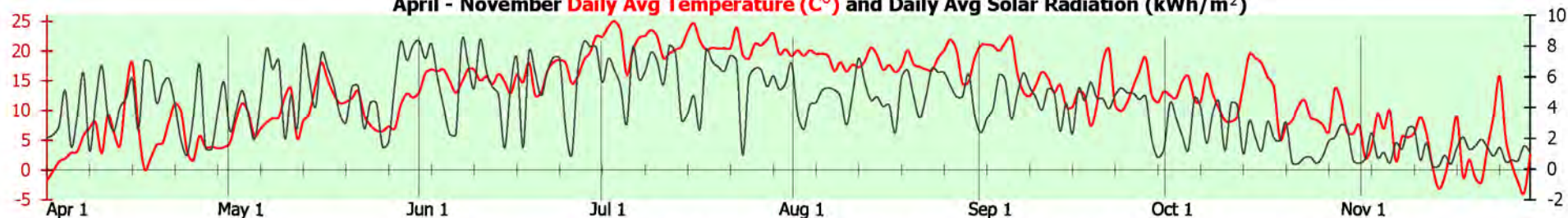
Height (m): 44.15

[UTM Zone 20, NAD 83]

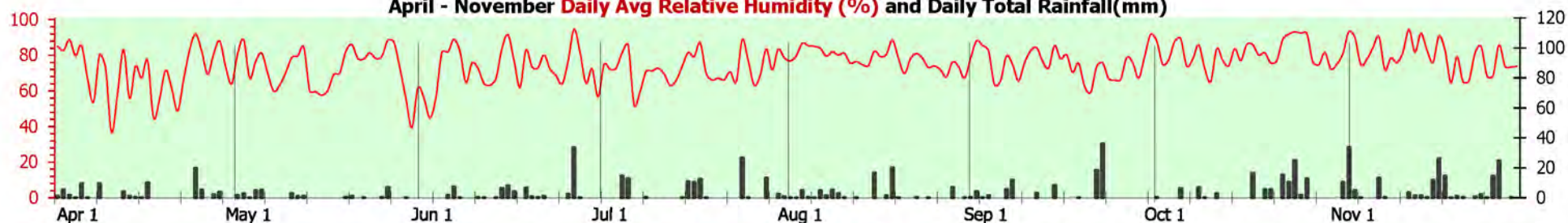


2014 Weather for Station S90

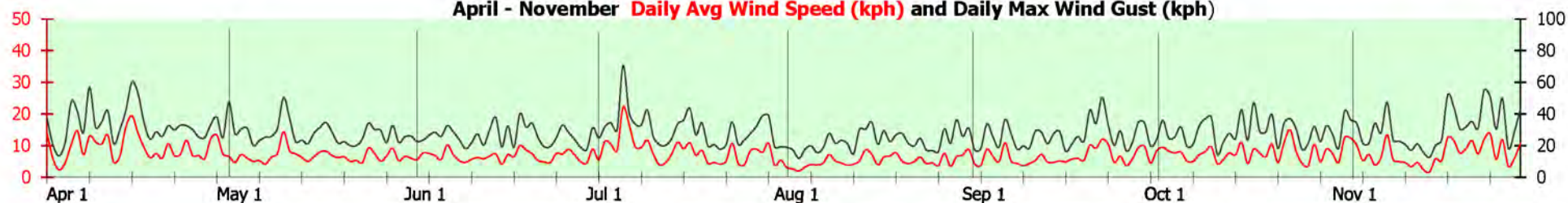
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:
September 30, 2003

RH, Rain and Wind Sensors
September 30, 2003

Frost Free Start:
May 29, 2014 06:10

Frost Free End:
November 14, 2014 22:45

Frost Free Duration:
169.7 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	20 [0]	7 [0]	-21.35	40.92	-3.79	-3.60	40.7	1.36	1.08	75.0	10.0	58.9
February	0 [0]	0 [0]	-23.90	11.10	-4.57	-3.78	65.1	2.33	2.17	68.8	8.3	78.7
March	0 [0]	0 [0]	-22.09	10.08	-3.57	-2.70	107.2	3.46	3.17	87.0	9.1	56.2
April	53 [0]	13 [0]	-4.85	22.61	5.17	5.02	117.4	3.91	3.92	75.4	9.5	60.1
May	164 [20]	49 [5]	-1.00	26.02	10.00	9.62	150.2	4.84	4.97	29.6	6.7	50.4
June	336 [336]	186 [186]	3.37	29.09	16.07	15.56	172.8	5.76	5.80	74.4	6.7	40.4
July	512 [512]	357 [357]	10.26	30.63	21.36	19.29	181.6	5.86	5.45	105.4	8.3	70.5
August	423 [423]	268 [268]	5.94	29.06	18.33	17.43	151.0	4.87	5.04	68.0	5.2	36.3
September	308 [308]	160 [160]	2.29	29.57	15.07	14.48	129.5	4.32	4.26	90.6	6.4	50.5
October	205 [205]	72 [72]	0.49	23.98	11.72	11.68	70.6	2.28	2.17	110.0	7.5	47.1
November	37 [19]	5 [0]	-7.06	19.40	3.93	4.34	34.5	1.15	1.21	167.0	7.8	55.0
December	22 [0]	3 [0]	-12.63	17.24	1.03	1.49	29.9	0.96	1.03	131.2	8.1	55.7
Totals, Averages or Extremes	2080 [1823]	1120 [1048]	-23.90	40.92	7.56	7.40	1250.6	41.10	40.26	1082.4	7.4	78.7

Southwest NS Weather Study

Station Description

Station ID: S100 (C)

Location: Marshaltown

County: Digby

Contact: Gregory Dixon

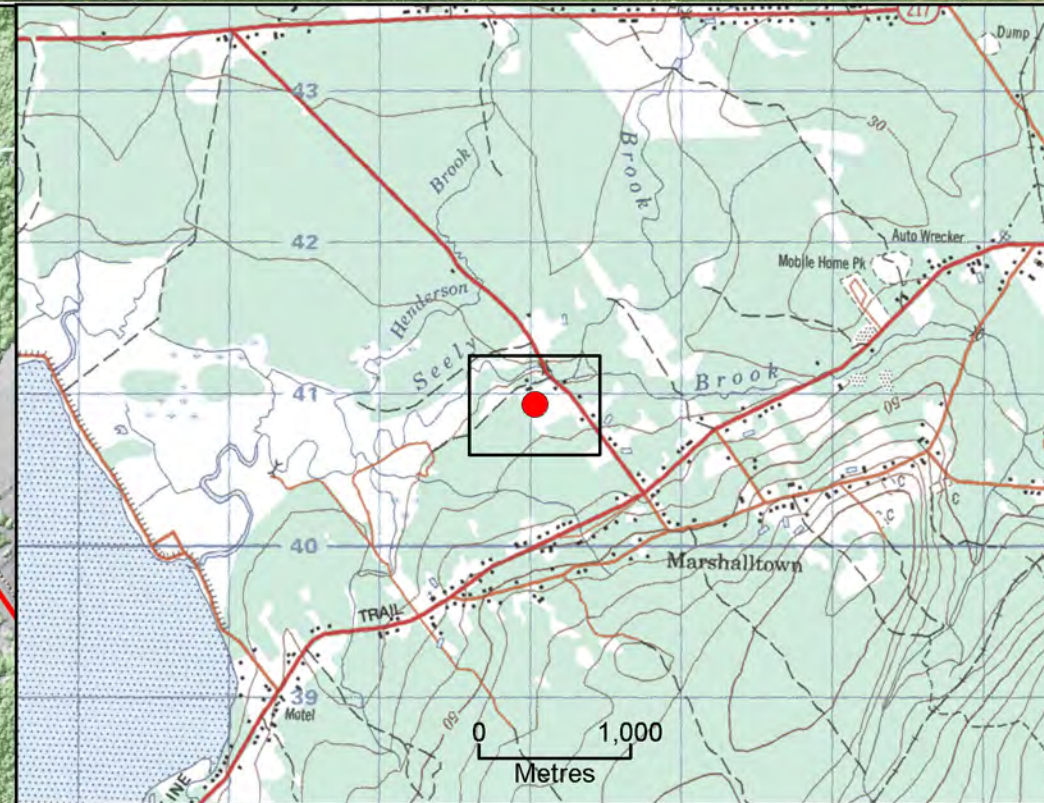
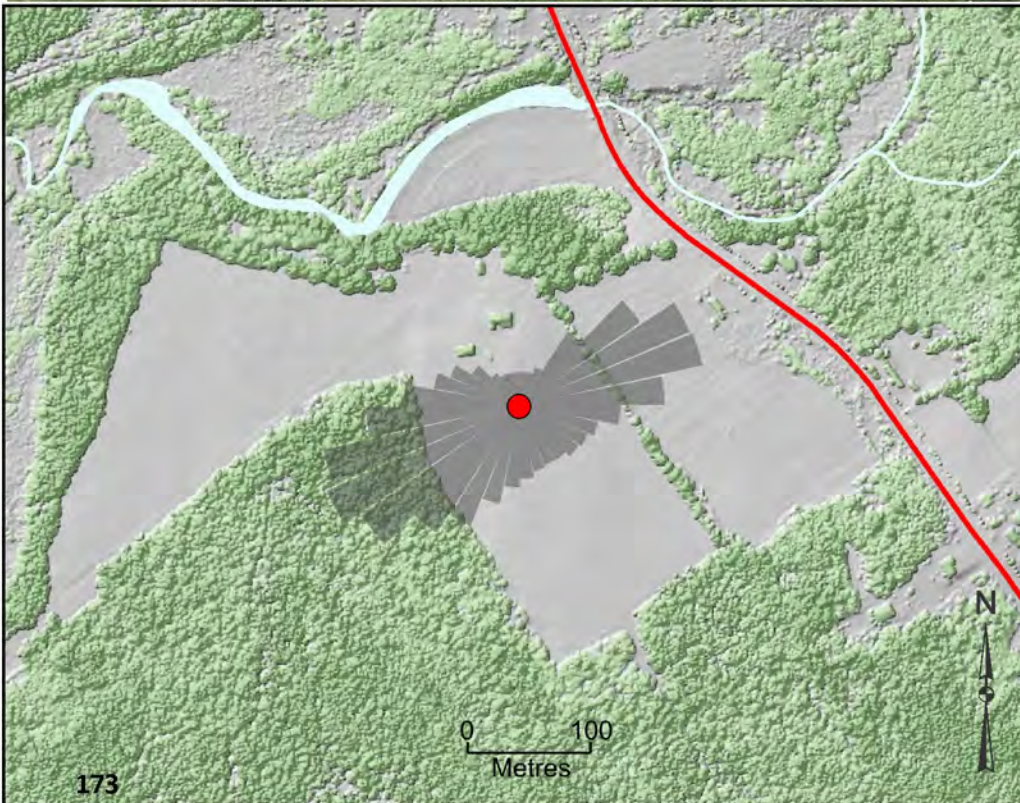
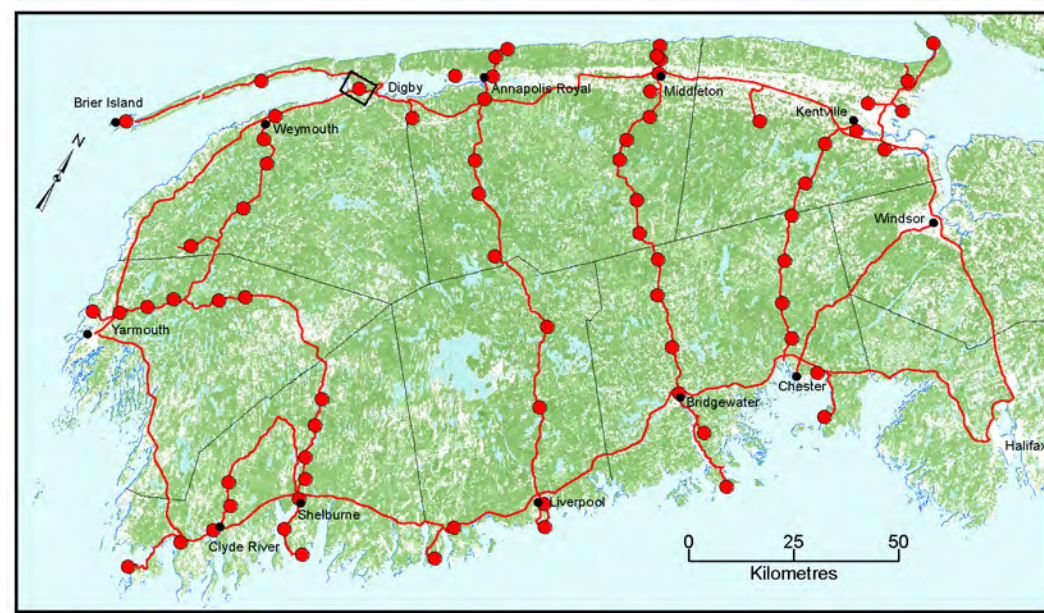
Deployed: 9/30/2003

Easting: 276022.98

Northing: 4940941.277

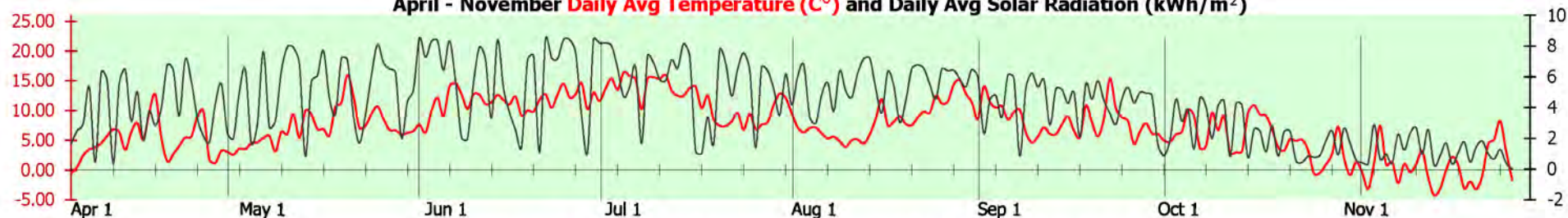
Height (m): 22.03

[UTM Zone 20, NAD 83]

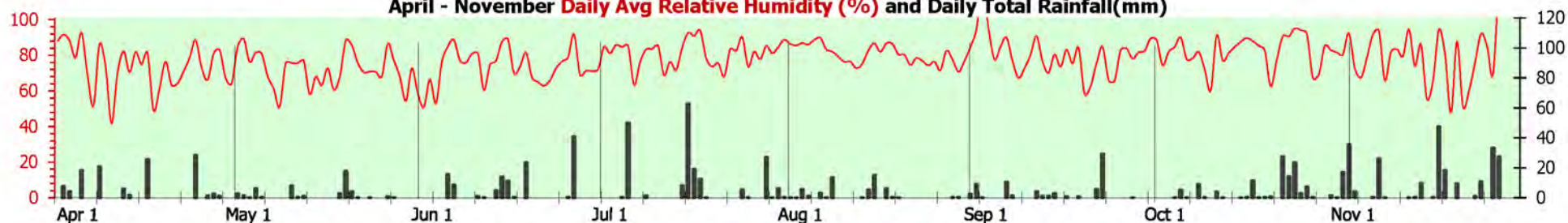


2014 Weather Data for Station S100

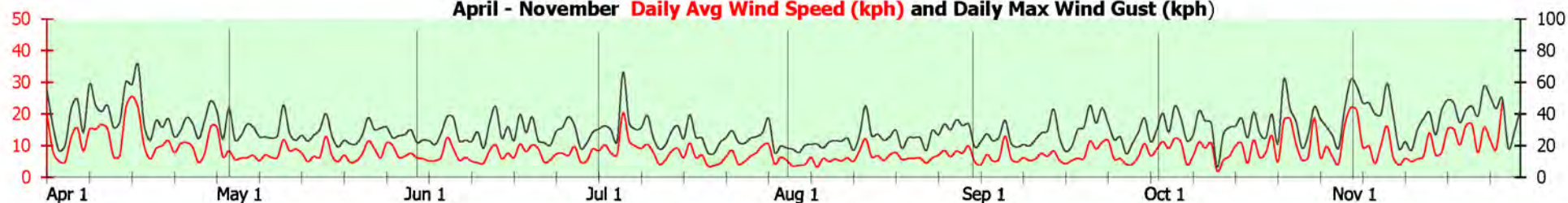
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 12, 2004

RH, Rain and Wind Sensors

September 30, 2003

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 16, 2014 05:00

Frost Free Duration:

170.9 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	8 [0]	0 [0]	-17.79	14.47	-3.01	-3.60	25.0	0.89	1.08	112.0	12.7	69.7
February	5 [0]	0 [0]	-20.77	9.99	-3.48	-3.78	19.0	1.00	2.17	88.9	11.0	61.2
March	0 [0]	0 [0]	-21.30	9.59	-2.82	-2.70	57.0	2.20	3.17	78.0	9.5	72.0
April	42 [0]	5 [0]	-3.11	17.51	5.07	5.02	33.0	3.66	3.92	33.6	10.0	48.2
May	144 [5]	29 [0]	-2.00	23.53	9.54	9.62	168.2	5.43	4.97	46.8	7.4	45.6
June	292 [292]	143 [143]	1.84	23.92	14.89	15.56	178.6	5.95	5.80	121.2	7.1	44.7
July	420 [420]	265 [265]	7.78	26.49	18.48	19.29	166.7	5.38	5.45	194.0	7.8	66.2
August	381 [381]	226 [226]	5.42	26.03	16.91	17.43	167.5	5.40	5.04	54.2	6.3	45.2
September	284 [284]	139 [139]	0.68	25.75	14.42	14.48	131.1	4.37	4.26	68.6	6.8	45.5
October	216 [216]	80 [80]	1.45	24.98	12.08	11.68	71.6	2.31	2.17	111.0	9.1	62.0
November	45 [23]	4 [1]	-4.49	16.58	4.97	4.34	31.3	1.16	1.21	242.4	11.6	61.2
December	25 [0]	3 [0]	-9.84	15.48	2.27	1.49	28.0	0.90	1.03	188.0	4.4	39.6
Totals, Averages or Extremes	1862 [1621]	894 [854]	-21.30	26.49	7.44	7.40	1077.0	38.66	40.26	1338.7	7.8	72.0

Southwest NS Weather Study

Station Description

Station ID: S120 (C)

Location: Ross Creek

County: Kings

Contact: Bill Crowson

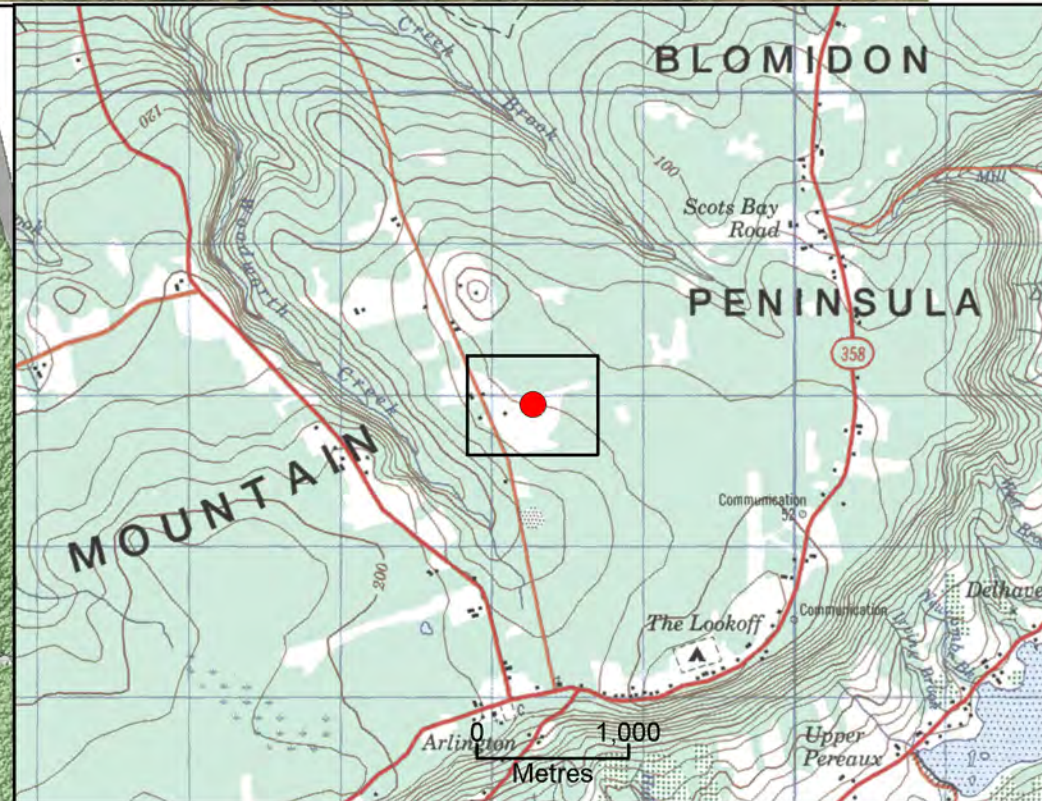
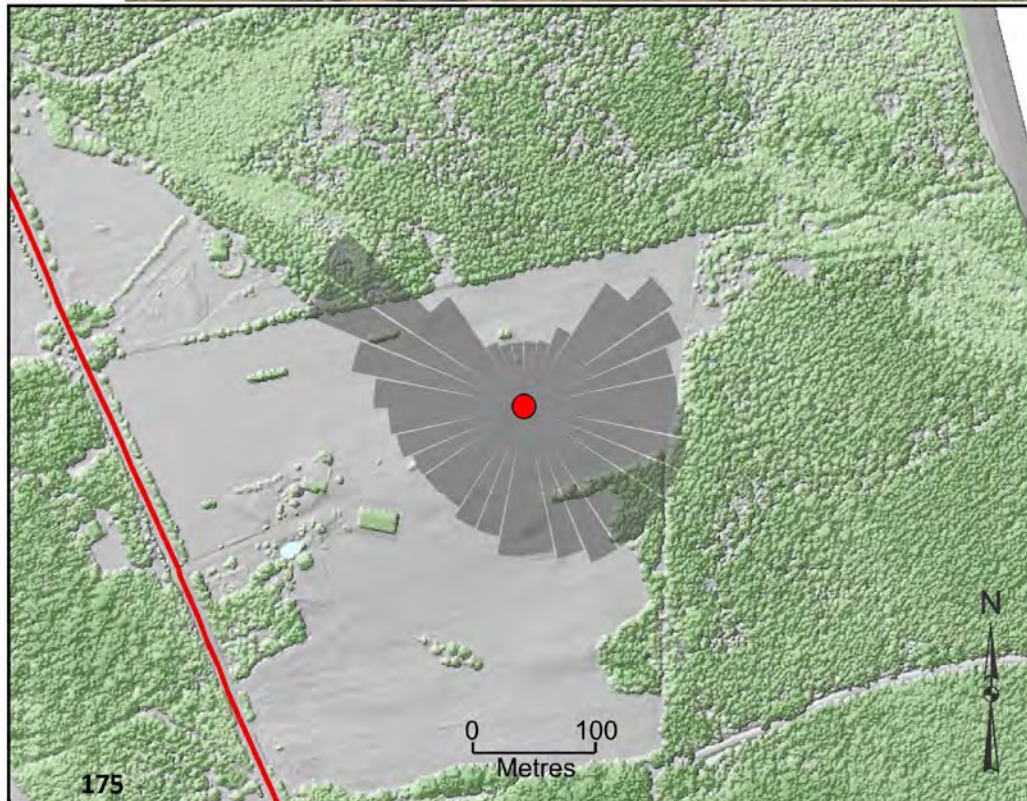
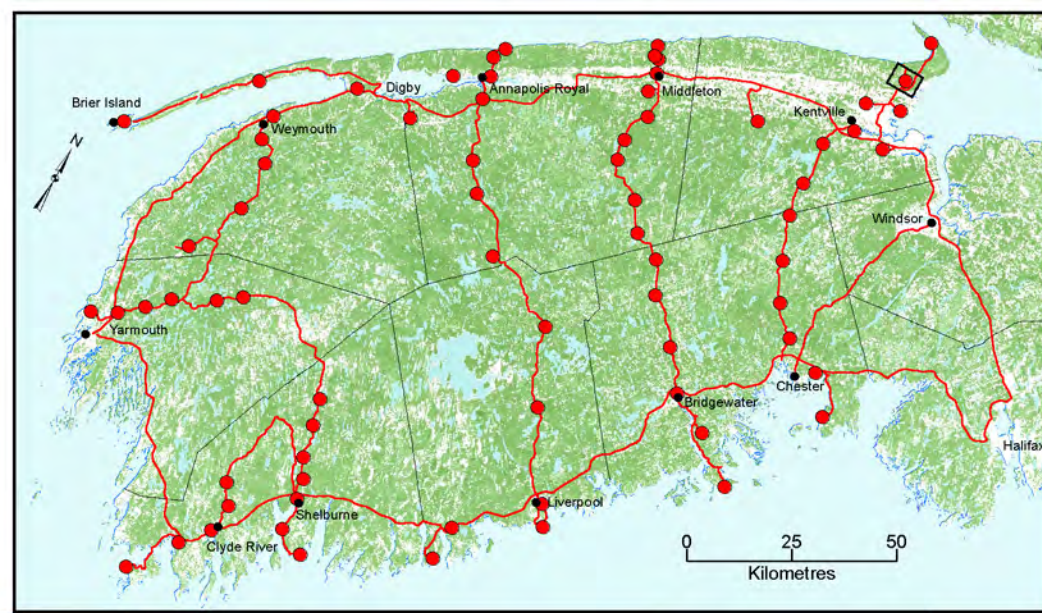
Deployed: 5/17/2004

Easting: 388284.283

Northing: 5007949.989

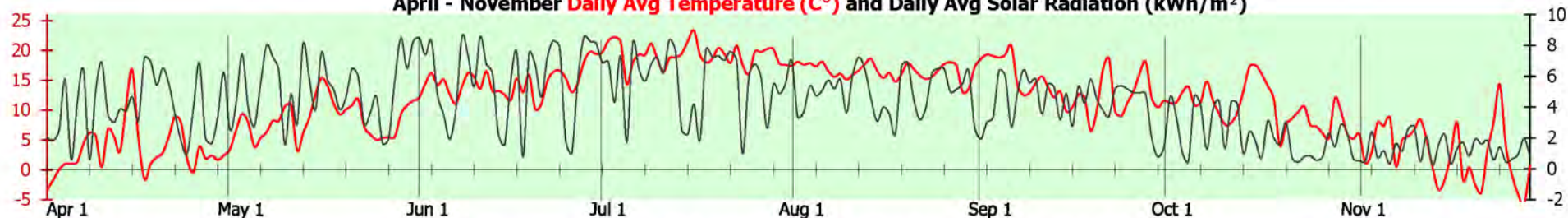
Height (m): 202.58

[UTM Zone 20, NAD 83]

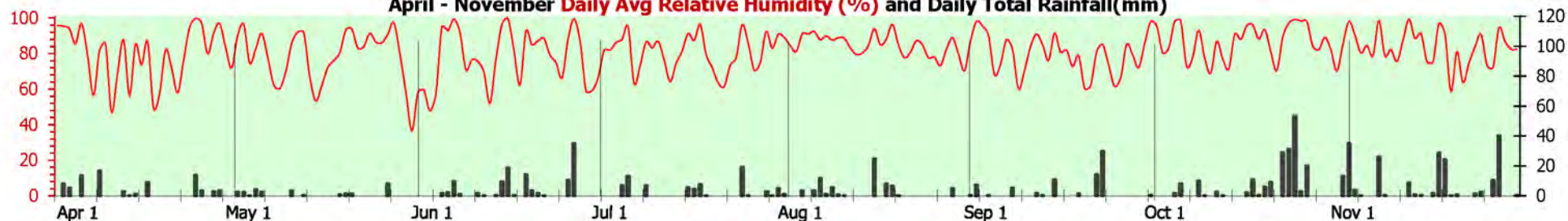


2014 Weather Data for Station S120

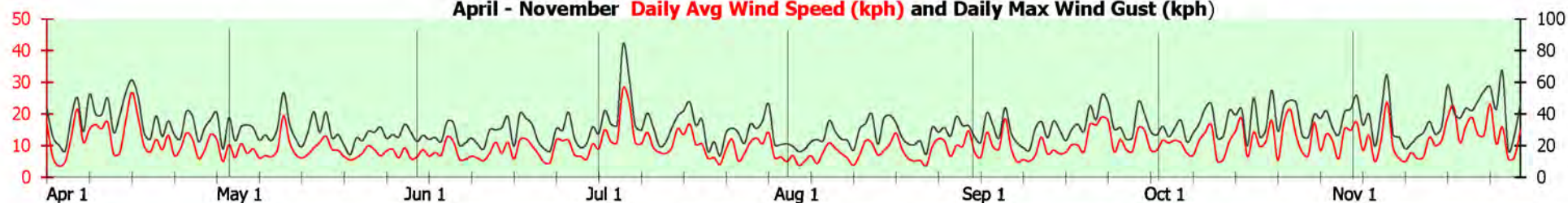
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

May 17, 2004

RH, Rain and Wind Sensors

May 17, 2004

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 15, 2014 02:50

Frost Free Duration:

172.9 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	3 [0]	0 [0]	-23.84	11.44	-5.64	-3.60	34.7	1.20	1.08	78.4	14.7	78.7
February	0 [0]	0 [0]	-16.23	8.45	-5.64	-3.78	64.9	2.32	2.17	14.8	12.4	67.9
March	0 [0]	0 [0]	-20.66	6.77	-4.93	-2.70	110.4	3.56	3.17	73.4	12.5	67.1
April	34 [0]	7 [0]	-6.52	21.44	3.46	5.02	120.1	4.00	3.92	80.8	11.2	61.4
May	122 [19]	25 [3]	-0.51	20.38	8.40	9.62	158.5	5.11	4.97	27.6	8.5	53.6
June	292 [292]	142 [142]	2.69	25.14	14.53	15.56	174.8	5.83	5.80	112.2	8.3	41.0
July	453 [453]	298 [298]	8.90	27.12	19.28	19.29	176.8	5.70	5.45	74.0	11.2	83.9
August	375 [375]	220 [220]	7.49	24.22	16.54	17.43	156.2	5.04	5.04	71.8	8.1	40.2
September	278 [278]	133 [133]	3.55	25.11	14.06	14.48	131.7	4.39	4.26	72.4	10.5	52.1
October	174 [174]	52 [52]	1.64	21.01	10.61	11.68	68.0	2.19	2.17	188.4	11.5	55.0
November	30 [15]	3 [0]	-8.06	17.60	2.97	4.34	37.4	1.25	1.21	200.6	12.5	67.1
December	13 [0]	1 [0]	-14.53	15.78	-0.52	1.49	29.4	0.95	1.03	737.4	12.0	65.1
Totals, Averages or Extremes	1774 [1606]	881 [848]	-23.84	27.12	6.09	7.40	1263.0	41.54	40.26	1731.8	10.4	83.9

Southwest NS Weather Study

Station Description

Station ID: S130 (C)

Location: Bear River

County: Annapolis

Contact: P. & R. Wood

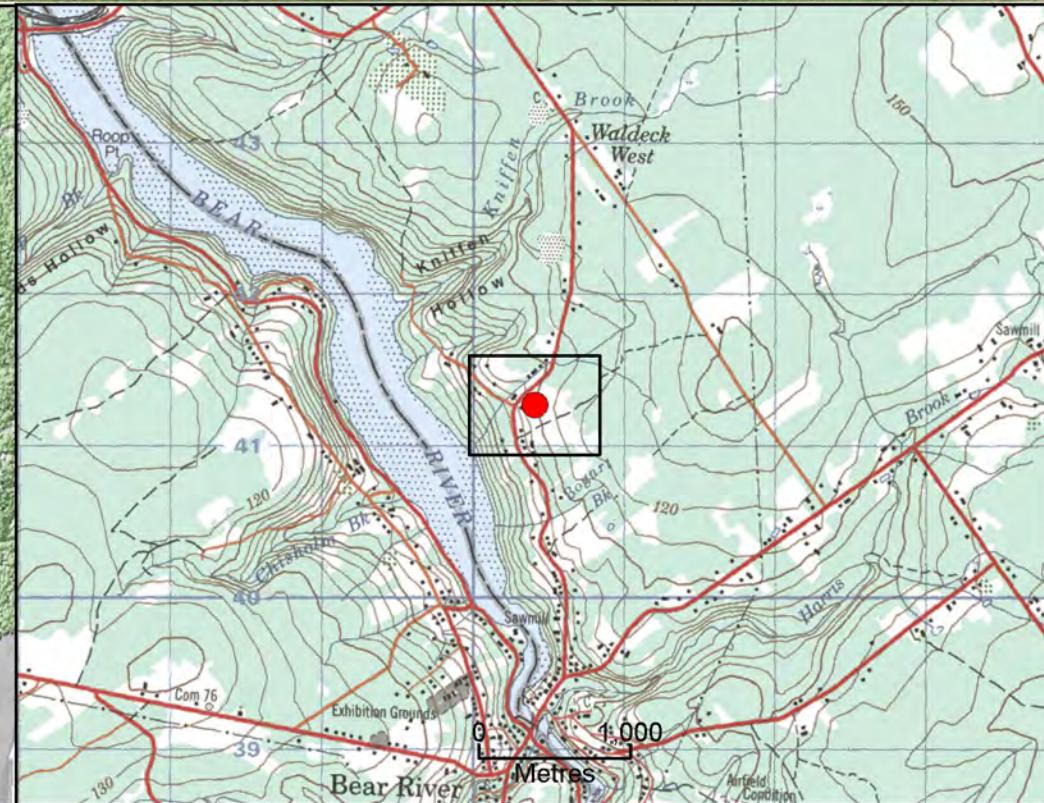
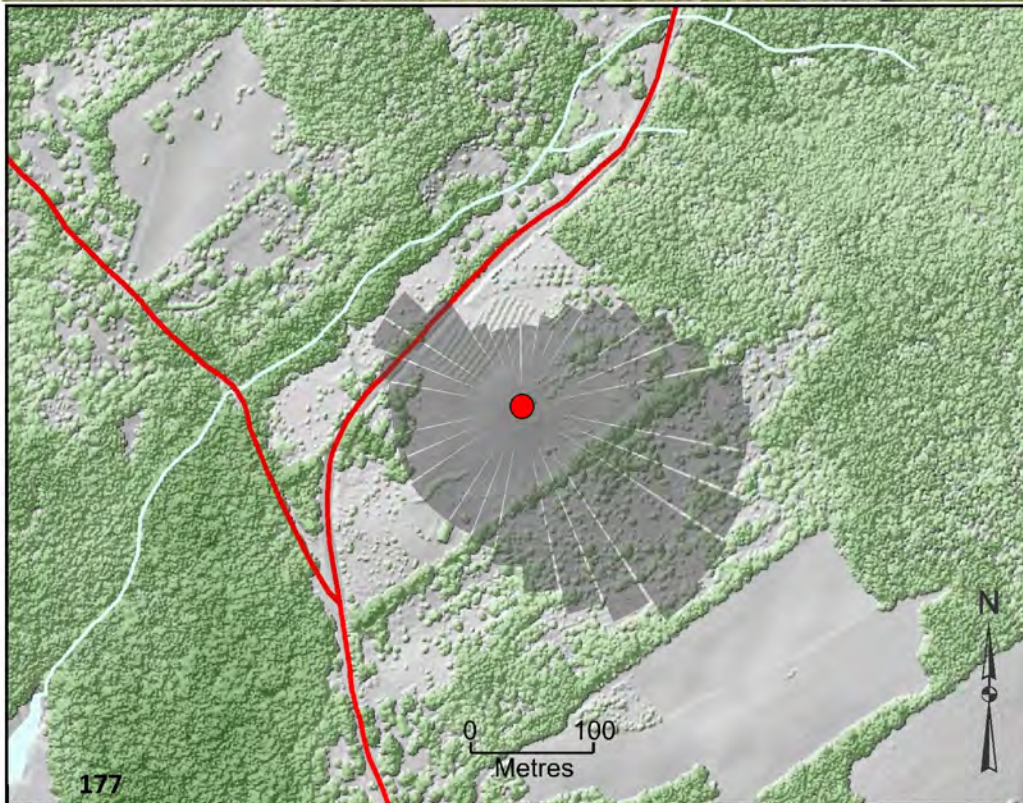
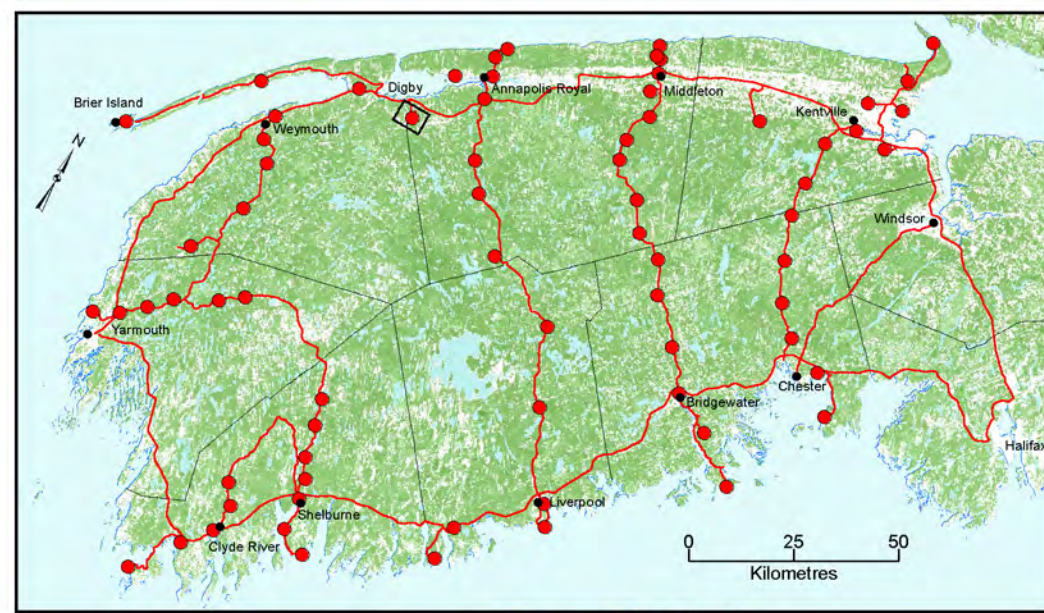
Deployed: 5/13/2004

Easting: 290413.644

Northing: 4941280.304

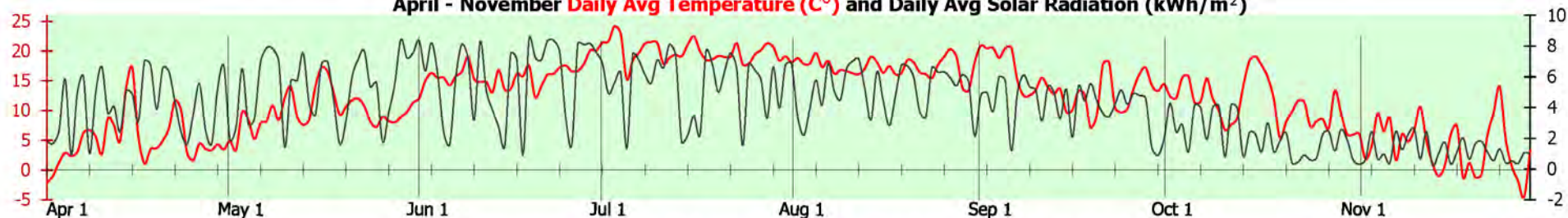
Height (m): 103.52

[UTM Zone 20, NAD 83]

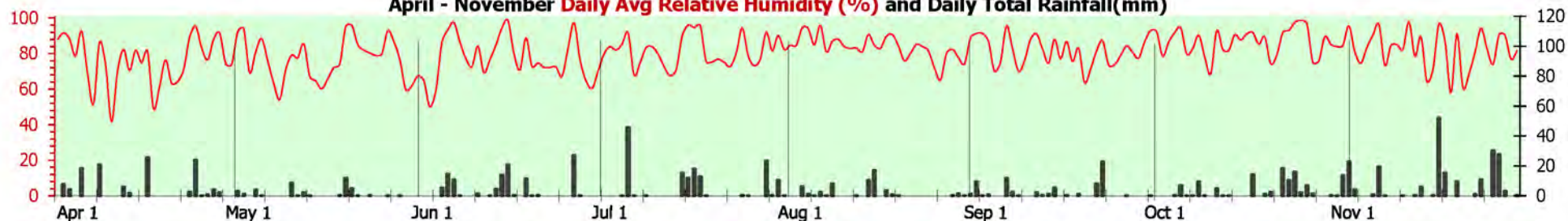


2014 Weather Data for Station S130

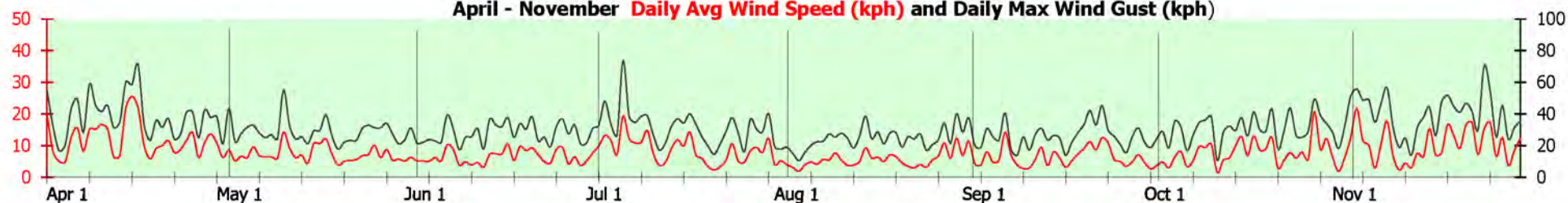
April - November Daily Avg Temperature (C°) and Daily Avg Solar Radiation (kWh/m²)



April - November Daily Avg Relative Humidity (%) and Daily Total Rainfall (mm)



April - November Daily Avg Wind Speed (kph) and Daily Max Wind Gust (kph)



Station Deployment:

May 13, 2004

RH, Rain and Wind Sensors

May 13, 2004

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 15, 2014 07:05

Frost Free Duration:

173 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	5 [0]	0 [0]	-19.82	13.60	-5.36	-3.60	19.3	1.01	1.08	81.8	11.1	60.6
February	0 [0]	0 [0]	-17.97	9.30	-4.09	-3.78	57.6	2.06	2.17	88.2	10.0	64.8
March	1 [0]	0 [0]	-17.32	9.72	-3.16	-2.70	100.4	3.24	3.17	103.4	11.4	81.3
April	52 [0]	13 [0]	-3.79	20.85	5.13	5.02	123.8	4.13	3.92	119.0	11.9	71.3
May	163 [11]	38 [38]	-0.69	23.58	10.00	9.62	164.1	5.29	4.97	38.2	7.3	55.1
June	328 [328]	178 [178]	3.44	28.31	15.87	15.56	179.0	5.97	5.80	111.8	6.5	39.5
July	470 [470]	314 [314]	10.28	29.13	19.91	19.29	171.5	5.53	5.45	140.0	8.6	73.6
August	392 [392]	238 [238]	6.14	25.85	17.31	17.43	161.4	5.21	5.04	54.0	5.7	40.3
September	286 [286]	143 [143]	0.97	27.81	14.48	14.48	129.2	4.31	4.26	67.4	6.4	45.3
October	200 [200]	73 [73]	-0.05	23.96	11.52	11.68	68.1	2.20	2.17	96.4	7.6	49.3
November	38 [18]	4 [0]	-7.46	18.21	4.07	4.34	34.6	1.15	1.21	219.0	10.4	70.1
December	2 [0]	0 [0]	-10.57	16.88	1.29	1.49	22.6	0.87	1.03	162.4	9.5	49.2
Totals, Averages or Extremes	1937 [1705]	1001 [984]	-19.82	29.13	7.25	7.40	1231.6	40.96	40.26	1281.6	8.2	81.3

Southwest NS Weather Study

Station Description

Station ID: S160 (C)

Location: Lily Lake

County: Annapolis

Contact: John Briere

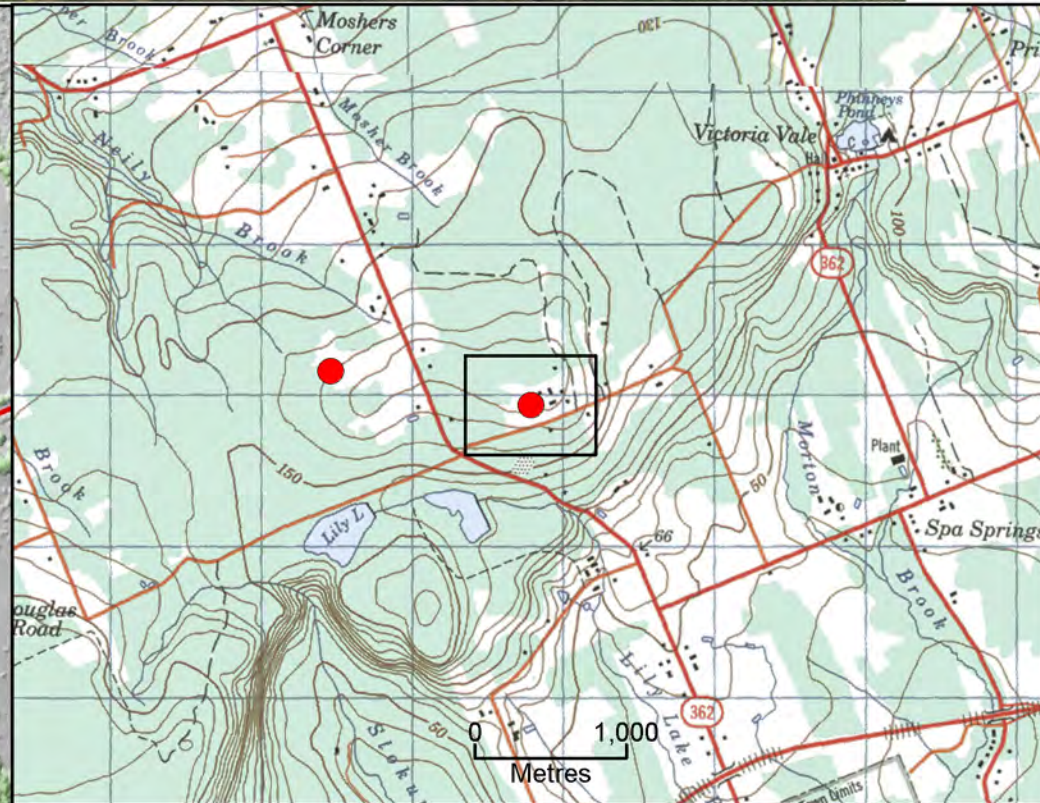
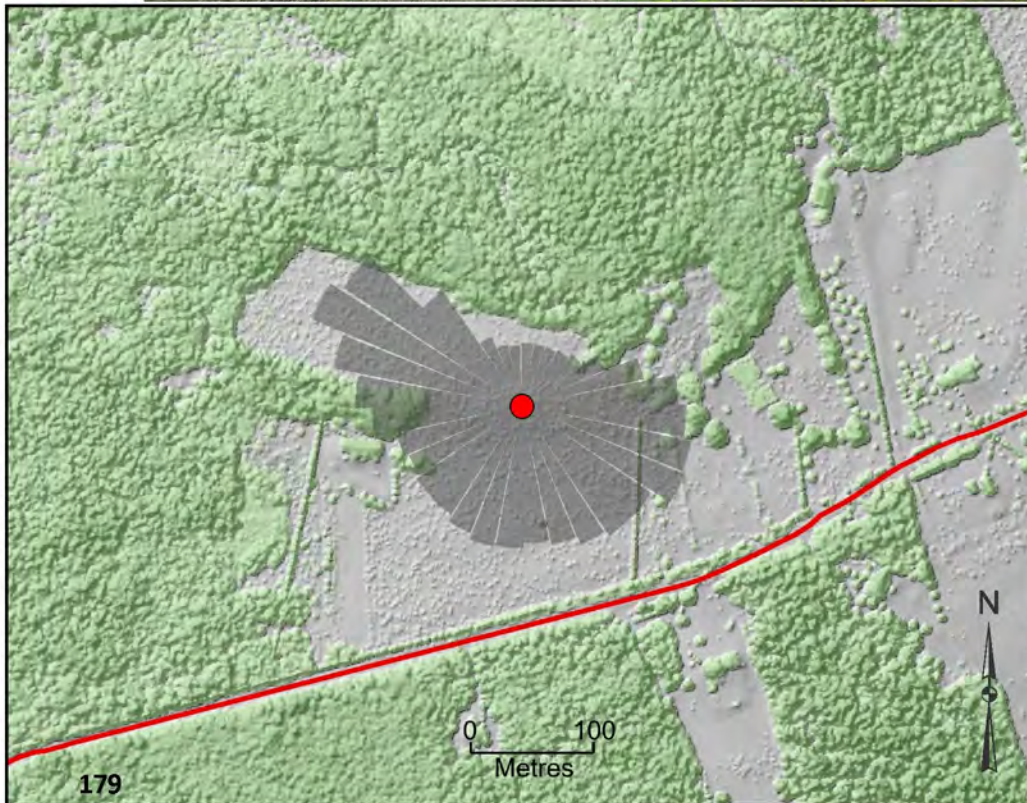
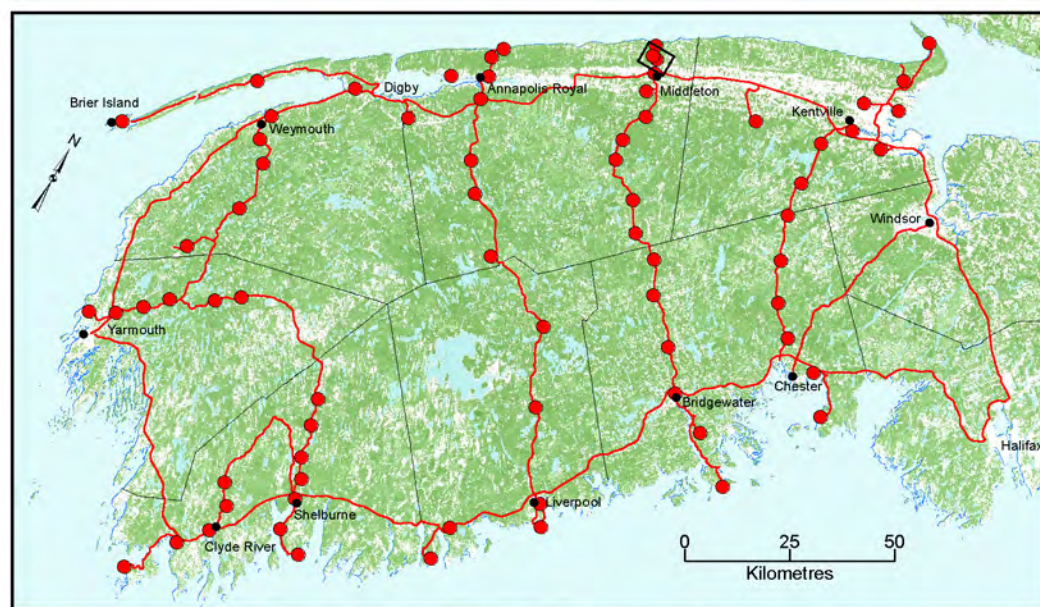
Deployed: 12/15/2006

Easting: 334791.013

Northing: 4982957.011

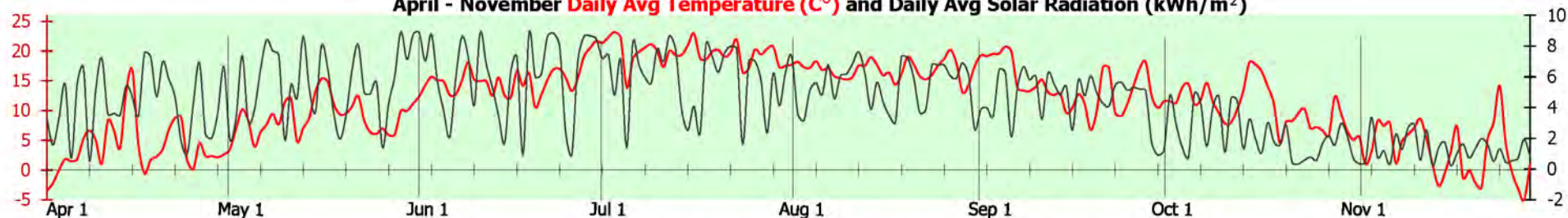
Height (m): 188.02

[UTM Zone 20, NAD 83]

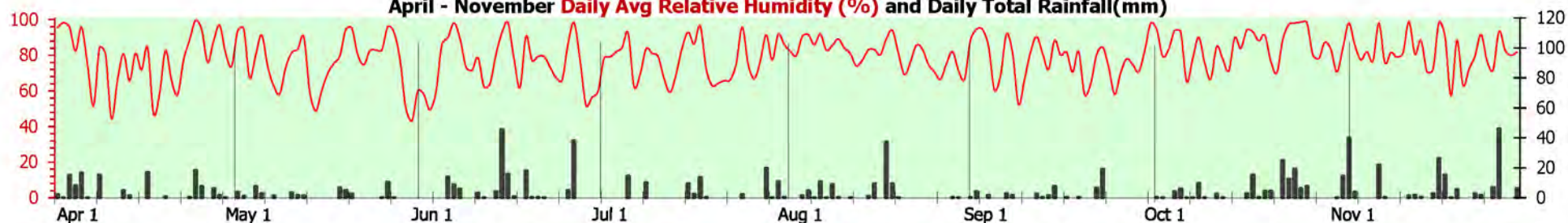


2014 Weather Data for Station S160

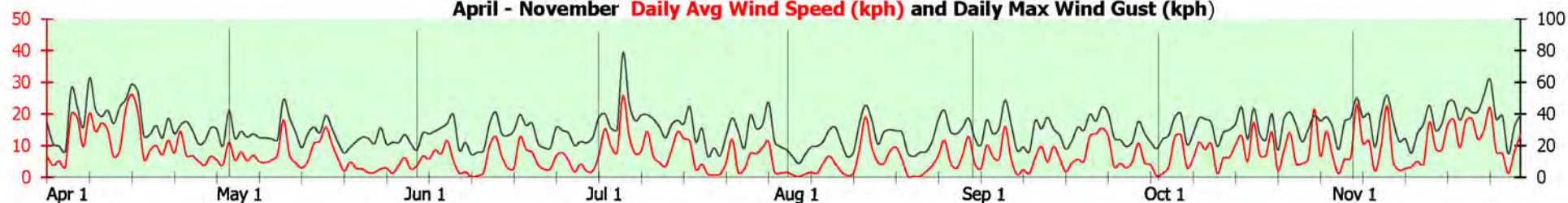
April - November **Daily Avg Temperature (C°)** and **Daily Avg Solar Radiation (kWh/m²)**



April - November **Daily Avg Relative Humidity (%)** and **Daily Total Rainfall(mm)**



April - November **Daily Avg Wind Speed (kph)** and **Daily Max Wind Gust (kph)**



Station Deployment:

December 15, 2006

RH, Rain and Wind Sensors

December 15, 2006

Frost Free Start:

May 29, 2014 06:10

Frost Free End:

November 09, 2014 01:45

Frost Free Duration:

198.9 days

2014 Month	GDD (B5°C) [FFGDD]	GDD (B10°C) [FFGDD]	Min Temp (°C)	Max Temp (°C)	Avg Temp (°C)	Avg Temp All Stations (°C)	Monthly Solar Radiation (kWh/m ²)	Daily Avg. Solar Radiation (kWh/m ²)	Solar Radiation All Stations (kWh/m ² /day)	Rain (mm)	Avg Wind Speed (kph)	Max Wind Speed (kph)
January	4 [0]	0 [0]	-21.00	12.20	-5.27	-3.60	29.0	0.97	1.08	102.4	14.9	75.1
February	0 [0]	0 [0]	-17.40	7.66	-5.40	-3.78	62.2	2.30	2.17	53.4	12.2	76.6
March	0 [0]	0 [0]	-16.79	8.69	-4.43	-2.70	115.2	3.72	3.17	86.8	11.3	56.3
April	38 [0]	8 [0]	-5.40	20.87	3.93	5.02	129.5	4.32	3.92	116.6	10.7	62.7
May	136 [136]	27 [27]	0.02	21.24	8.88	9.62	169.2	5.46	4.97	48.6	6.0	49.2
June	310 [310]	160 [160]	3.79	27.43	15.11	15.56	185.7	6.19	5.80	161.0	5.3	41.1
July	467 [467]	312 [312]	8.78	28.08	19.70	19.29	184.2	5.94	5.45	84.6	7.7	78.5
August	385 [385]	230 [230]	9.87	26.15	16.85	17.43	170.4	5.50	5.04	86.2	4.8	45.6
September	280 [280]	135 [135]	3.05	25.98	14.12	14.48	142.2	4.74	4.26	50.2	6.7	48.7
October	184 [184]	57 [57]	2.93	21.84	10.80	11.68	71.8	2.32	2.17	122.6	8.0	44.3
November	31 [15]	3 [0]	-6.74	17.92	3.25	4.34	37.6	1.25	1.21	199.4	10.6	61.8
December	15 [0]	1 [0]	-13.11	15.86	0.00	1.49	31.1	1.00	1.03	149.0	10.9	59.5
Totals, Averages or Extremes	1850 [1777]	933 [921]	-21.00	28.08	6.46	7.40	1327.9	43.70	40.26	1260.8	7.9	78.5