



CLIMATE CHANGE REPORT **SERIES**

# Real-Time Weather Stations in Nova Scotia and Their Spatial Gaps

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December 11, 2020



UNIVERSITY  
of Prince Edward  
ISLAND

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This report is part of the Climate Change Report (CCR) series, which are prepared and published by the research group led by Dr. Xander Wang in the School of Climate Change and Adaptation at the University of Prince Edward Island, Charlottetown, Canada.

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*Wang, X. (2020). Real-Time Weather Stations in Nova Scotia and Their Spatial Gaps. School of Climate Change and Adaptation, University of Prince Edward Island, Charlottetown, Canada.*

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## Executive Summary

Real-time weather information is extremely important for predicting extreme weather events and developing emergency response measures. In particular, the development of reliable flood forecasting systems heavily relies on a well-established weather monitoring network which is expected to be capable of capturing the spatial variations of local climate. In this study, we aim to investigate on the availability of real-time weather stations across Nova Scotia and the gaps in their spatial coverage. The results from this study will be used to help determine where to install additional weather stations in order to better predict flooding events in Nova Scotia.

## Acknowledgements

This study is funded by the Industrial Research Assistance Program (IRAP) of National Research Council Canada, sponsored by the CBCL Limited. We are gratefully for the valuable guidance and support offered by the Synapse at the University of Prince Edward Island.

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# 1. Introduction

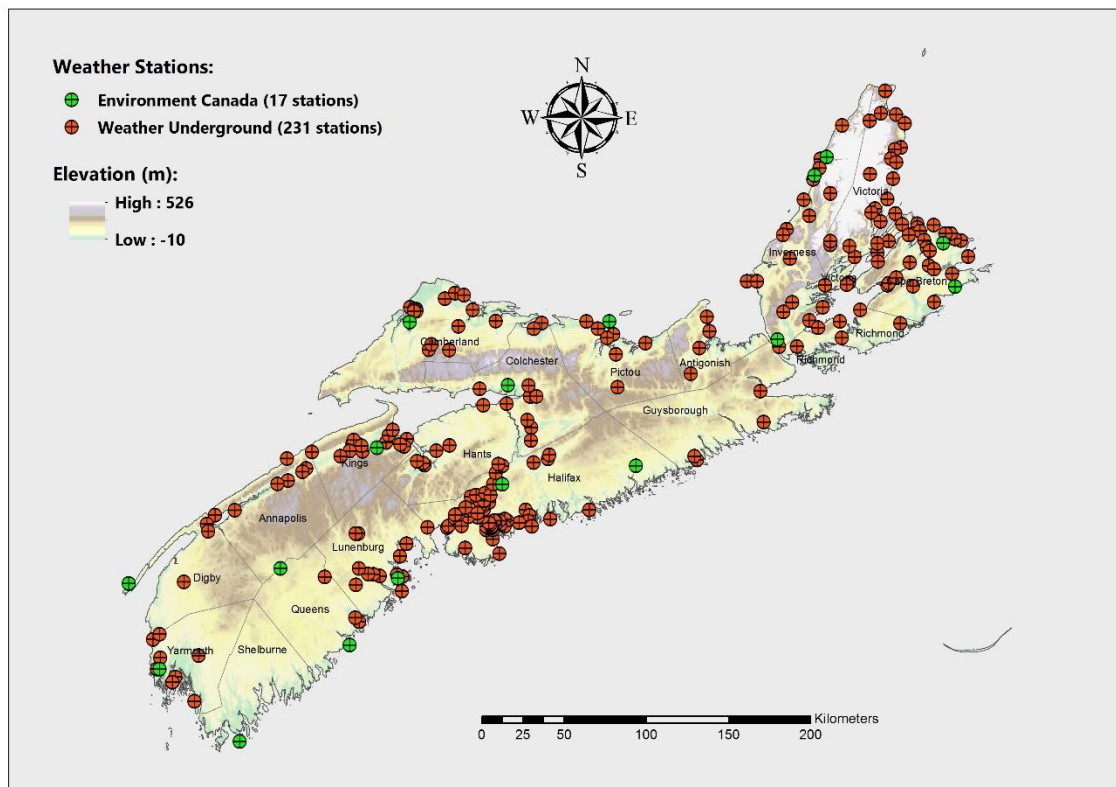
Real-time weather information plays a critical role in flood prediction and the related emergency response planning and management practices. It is important to establish a robust weather monitoring network in support of real-time flood forecasting. The first step for developing a robust network is to understand the existing capacity and limitations of the existing weather station network. Yet, this is still not well understood for the Province of Nova Scotia, Canada. Therefore, the purpose of this study is to investigate: (1) how many real-time weather stations are available in Nova Scotia? (2) whether there are any spatial gaps in capturing the local climate patterns across Nova Scotia?

## 2. Real-Time Weather Stations

In this study, we have first collected all weather stations maintained by Environment and Climate Change Canada (ECCC, website: <https://weather.gc.ca/>). There are 17 ECCC stations available for Nova Scotia and these stations are reporting weather data on an hourly basis. The weather information monitored by these ECCC stations includes temperature, precipitation, wind speed and direction, pressure, humidity, and dew point.

In addition to the ECCC stations, we have collected all publicly-available weather stations hosted by Weather Underground (WU, website: <https://www.wunderground.com/>). There are 231 WU stations for Nova Scotia and these stations are typically reporting weather data on a 5-min basis. The weather information monitored by these WU stations includes temperature, dew point, humidity, wind speed, wind direction, wind gust, pressure, precipitation rate, UV, and solar radiation.

The geographical locations of all ECCC and WU stations in Nova Scotia are shown in Figure 1. The detailed information (e.g., station name, latitude, longitude, and website) about these stations is listed in Table 1.



**Figure 1.** Map of all ECCC and WU weather stations for Nova Scotia.



**Table 1.** List of all ECCC and WU weather stations in Nova Scotia (updated on December 11, 2020).

No.	Station Name	Latitude	Longitude	Source*	Website
1	Chéticamp	46.65	-60.95	ECCC	<a href="https://weather.gc.ca/past_conditions/index_e.html?station=aht">https://weather.gc.ca/past_conditions/index_e.html?station=aht</a>
2	Grand Étang	46.55	-61.05	ECCC	<a href="https://weather.gc.ca/past_conditions/index_e.html?station=wzq">https://weather.gc.ca/past_conditions/index_e.html?station=wzq</a>
3	Sydney Airport	46.16	-60.05	ECCC	<a href="https://weather.gc.ca/past_conditions/index_e.html?station=yqy">https://weather.gc.ca/past_conditions/index_e.html?station=yqy</a>
4	Louisbourg	45.92	-59.97	ECCC	<a href="https://weather.gc.ca/past_conditions/index_e.html?station=auu">https://weather.gc.ca/past_conditions/index_e.html?station=auu</a>
5	Port Hawkesbury Airport	45.66	-61.37	ECCC	<a href="https://weather.gc.ca/past_conditions/index_e.html?station=ypd">https://weather.gc.ca/past_conditions/index_e.html?station=ypd</a>
6	Caribou Point	45.77	-62.68	ECCC	<a href="https://weather.gc.ca/past_conditions/index_e.html?station=wbk">https://weather.gc.ca/past_conditions/index_e.html?station=wbk</a>
7	Amherst	45.76	-64.24	ECCC	<a href="https://weather.gc.ca/past_conditions/index_e.html?station=xnp">https://weather.gc.ca/past_conditions/index_e.html?station=xnp</a>
8	Debert	45.42	-63.47	ECCC	<a href="https://weather.gc.ca/past_conditions/index_e.html?station=zdb">https://weather.gc.ca/past_conditions/index_e.html?station=zdb</a>
9	Malay Falls	44.98	-62.48	ECCC	<a href="https://weather.gc.ca/past_conditions/index_e.html?station=xmy">https://weather.gc.ca/past_conditions/index_e.html?station=xmy</a>
10	Kentville	45.07	-64.48	ECCC	<a href="https://weather.gc.ca/past_conditions/index_e.html?station=xkt">https://weather.gc.ca/past_conditions/index_e.html?station=xkt</a>
11	Halifax Airport	44.88	-63.51	ECCC	<a href="https://weather.gc.ca/past_conditions/index_e.html?station=yhz">https://weather.gc.ca/past_conditions/index_e.html?station=yhz</a>
12	Lunenburg	44.36	-64.30	ECCC	<a href="https://weather.gc.ca/past_conditions/index_e.html?station=xlb">https://weather.gc.ca/past_conditions/index_e.html?station=xlb</a>
13	Brier Island	44.29	-66.35	ECCC	<a href="https://weather.gc.ca/past_conditions/index_e.html?station=wwu">https://weather.gc.ca/past_conditions/index_e.html?station=wwu</a>
14	Kejimkujik Park	44.40	-65.20	ECCC	<a href="https://weather.gc.ca/past_conditions/index_e.html?station=wkg">https://weather.gc.ca/past_conditions/index_e.html?station=wkg</a>
15	Western Head	43.99	-64.66	ECCC	<a href="https://weather.gc.ca/past_conditions/index_e.html?station=wwc">https://weather.gc.ca/past_conditions/index_e.html?station=wwc</a>
16	Yarmouth Airport	43.83	-66.09	ECCC	<a href="https://weather.gc.ca/past_conditions/index_e.html?station=yqi">https://weather.gc.ca/past_conditions/index_e.html?station=yqi</a>
17	Baccaro Point	43.45	-65.47	ECCC	<a href="https://weather.gc.ca/past_conditions/index_e.html?station=acp">https://weather.gc.ca/past_conditions/index_e.html?station=acp</a>
18	Bay St. Lawrence	47.00	-60.47	WU	<a href="https://www.wunderground.com/dashboard/pws/IBAYSAIN2">https://www.wunderground.com/dashboard/pws/IBAYSAIN2</a>
19	Smelt Brook	46.87	-60.39	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO132">https://www.wunderground.com/dashboard/pws/INOVASCO132</a>
20	Neil's Harbour	46.82	-60.32	WU	<a href="https://www.wunderground.com/dashboard/pws/INEWHA3">https://www.wunderground.com/dashboard/pws/INEWHA3</a>
21	Cape North	46.88	-60.51	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO80">https://www.wunderground.com/dashboard/pws/INOVASCO80</a>
22	Big Intervale	46.84	-60.60	WU	<a href="https://www.wunderground.com/dashboard/pws/IBIGIN1">https://www.wunderground.com/dashboard/pws/IBIGIN1</a>
23	Pleasant Bay	46.82	-60.82	WU	<a href="https://www.wunderground.com/dashboard/pws/IPLEASAN4">https://www.wunderground.com/dashboard/pws/IPLEASAN4</a>
24	North Ingonish	46.69	-60.36	WU	<a href="https://www.wunderground.com/dashboard/pws/IINGON2">https://www.wunderground.com/dashboard/pws/IINGON2</a>
25	Ingonish Beach	46.68	-60.41	WU	<a href="https://www.wunderground.com/dashboard/pws/IINGON1">https://www.wunderground.com/dashboard/pws/IINGON1</a>

26	Ingonish River	46.63	-60.44	WU	<a href="https://www.wunderground.com/dashboard/pws/ISOUTH586">https://www.wunderground.com/dashboard/pws/ISOUTH586</a>
27	Cape Smokey	46.61	-60.40	WU	<a href="https://www.wunderground.com/dashboard/pws/ICAPE55">https://www.wunderground.com/dashboard/pws/ICAPE55</a>
28	Wreck Cove	46.52	-60.43	WU	<a href="https://www.wunderground.com/dashboard/pws/IWRECKCO2">https://www.wunderground.com/dashboard/pws/IWRECKCO2</a>
29	North Shore	46.41	-60.48	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO133">https://www.wunderground.com/dashboard/pws/INOVASCO133</a>
30	Tarbotvale	46.36	-60.58	WU	<a href="https://www.wunderground.com/dashboard/pws/ITARBO1">https://www.wunderground.com/dashboard/pws/ITARBO1</a>
31	West Tarbot	46.34	-60.61	WU	<a href="https://www.wunderground.com/dashboard/pws/ITARBOT4">https://www.wunderground.com/dashboard/pws/ITARBOT4</a>
32	Englishtown	46.29	-60.54	WU	<a href="https://www.wunderground.com/dashboard/pws/IENGLI1">https://www.wunderground.com/dashboard/pws/IENGLI1</a>
33	Cape Dauphin	46.33	-60.42	WU	<a href="https://www.wunderground.com/dashboard/pws/ICAPED1">https://www.wunderground.com/dashboard/pws/ICAPED1</a>
34	Millville	46.27	-60.37	WU	<a href="https://www.wunderground.com/dashboard/pws/IMILLVIL2">https://www.wunderground.com/dashboard/pws/IMILLVIL2</a>
35	Florence	46.27	-60.25	WU	<a href="https://www.wunderground.com/dashboard/pws/IFLORE38">https://www.wunderground.com/dashboard/pws/IFLORE38</a>
36	Sydney Mines	46.25	-60.25	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO30">https://www.wunderground.com/dashboard/pws/INOVASCO30</a>
37	Sydney Mines (Victoria Dr.)	46.23	-60.23	WU	<a href="https://www.wunderground.com/dashboard/pws/INOASCOT2">https://www.wunderground.com/dashboard/pws/INOASCOT2</a>
38	Georges River	46.21	-60.32	WU	<a href="https://www.wunderground.com/dashboard/pws/IGEORGES3">https://www.wunderground.com/dashboard/pws/IGEORGES3</a>
39	Moose Lake	46.55	-60.61	WU	<a href="https://www.wunderground.com/dashboard/pws/IMOOSE1">https://www.wunderground.com/dashboard/pws/IMOOSE1</a>
40	Cheticamp	46.64	-61.00	WU	<a href="https://www.wunderground.com/dashboard/pws/ICHTICAM2">https://www.wunderground.com/dashboard/pws/ICHTICAM2</a>
41	Plateau	46.59	-61.01	WU	<a href="https://www.wunderground.com/dashboard/pws/IPOINTCR2">https://www.wunderground.com/dashboard/pws/IPOINTCR2</a>
42	Grand Etang Harbour	46.55	-61.05	WU	<a href="https://www.wunderground.com/dashboard/pws/IGRAND2">https://www.wunderground.com/dashboard/pws/IGRAND2</a>
43	St. Joseph du Moine	46.53	-61.06	WU	<a href="https://www.wunderground.com/dashboard/pws/ISAINTJO74">https://www.wunderground.com/dashboard/pws/ISAINTJO74</a>
44	Kingross	46.45	-60.93	WU	<a href="https://www.wunderground.com/dashboard/pws/IKINGR1">https://www.wunderground.com/dashboard/pws/IKINGR1</a>
45	Whale Cove Bight	46.42	-61.14	WU	<a href="https://www.wunderground.com/dashboard/pws/IMARGARE10">https://www.wunderground.com/dashboard/pws/IMARGARE10</a>
46	Margaree Forks	46.33	-61.10	WU	<a href="https://www.wunderground.com/dashboard/pws/IMARGA8">https://www.wunderground.com/dashboard/pws/IMARGA8</a>
47	Broad Cove Chapel	46.26	-61.28	WU	<a href="https://www.wunderground.com/dashboard/pws/IBROADCO2">https://www.wunderground.com/dashboard/pws/IBROADCO2</a>
48	Inverness	46.23	-61.31	WU	<a href="https://www.wunderground.com/dashboard/pws/IINVERNE26">https://www.wunderground.com/dashboard/pws/IINVERNE26</a>
49	Henry Island	45.98	-61.60	WU	<a href="https://www.wunderground.com/dashboard/pws/IHENRYIS2">https://www.wunderground.com/dashboard/pws/IHENRYIS2</a>
50	Port Hood	45.98	-61.52	WU	<a href="https://www.wunderground.com/dashboard/pws/IHARBOUR6">https://www.wunderground.com/dashboard/pws/IHARBOUR6</a>
51	Port Hawkesbury	45.62	-61.36	WU	<a href="https://www.wunderground.com/dashboard/pws/IPORTH5">https://www.wunderground.com/dashboard/pws/IPORTH5</a>
52	Evanston	45.62	-61.22	WU	<a href="https://www.wunderground.com/dashboard/pws/IEVANSTO2">https://www.wunderground.com/dashboard/pws/IEVANSTO2</a>

53	St. Peter's	45.66	-60.87	WU	<a href="https://www.wunderground.com/dashboard/pws/ISAINTPE108">https://www.wunderground.com/dashboard/pws/ISAINTPE108</a>
54	Baddeck Harbour	46.10	-60.75	WU	<a href="https://www.wunderground.com/dashboard/pws/IBADDECK3">https://www.wunderground.com/dashboard/pws/IBADDECK3</a>
55	Big Baddeck	46.16	-60.79	WU	<a href="https://www.wunderground.com/dashboard/pws/IBIGBA1">https://www.wunderground.com/dashboard/pws/IBIGBA1</a>
56	Middle River	46.17	-60.94	WU	<a href="https://www.wunderground.com/dashboard/pws/IMIDDLER2">https://www.wunderground.com/dashboard/pws/IMIDDLER2</a>
57	MacLennan's Cross	46.19	-60.94	WU	<a href="https://www.wunderground.com/dashboard/pws/IMIDDLER3">https://www.wunderground.com/dashboard/pws/IMIDDLER3</a>
58	Hays River	46.10	-61.26	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO149">https://www.wunderground.com/dashboard/pws/INOVASCO149</a>
59	River Denys	45.86	-61.25	WU	<a href="https://www.wunderground.com/dashboard/pws/IMELFORD2">https://www.wunderground.com/dashboard/pws/IMELFORD2</a>
60	Glendale	45.81	-61.32	WU	<a href="https://www.wunderground.com/dashboard/pws/IGLEND4">https://www.wunderground.com/dashboard/pws/IGLEND4</a>
61	Widow Point	45.76	-61.12	WU	<a href="https://www.wunderground.com/dashboard/pws/IMARSH1">https://www.wunderground.com/dashboard/pws/IMARSH1</a>
62	Saint Georges Channel	45.72	-61.05	WU	<a href="https://www.wunderground.com/dashboard/pws/ISAINTGE526">https://www.wunderground.com/dashboard/pws/ISAINTGE526</a>
63	Framboise	45.73	-60.41	WU	<a href="https://www.wunderground.com/dashboard/pws/IFRAMBOI2">https://www.wunderground.com/dashboard/pws/IFRAMBOI2</a>
64	Two Rivers Wildlife Park	45.93	-60.30	WU	<a href="https://www.wunderground.com/dashboard/pws/IHUNTING26">https://www.wunderground.com/dashboard/pws/IHUNTING26</a>
65	St. Andrews Channel	45.94	-60.50	WU	<a href="https://www.wunderground.com/dashboard/pws/ISAINTAN134">https://www.wunderground.com/dashboard/pws/ISAINTAN134</a>
66	Ben Eoin Beach 107A	45.95	-60.49	WU	<a href="https://www.wunderground.com/dashboard/pws/IBENEO5">https://www.wunderground.com/dashboard/pws/IBENEO5</a>
67	Ben Eoin Yacht Club	45.98	-60.43	WU	<a href="https://www.wunderground.com/dashboard/pws/IBENEOIN2">https://www.wunderground.com/dashboard/pws/IBENEOIN2</a>
68	Sydney Forks	46.06	-60.32	WU	<a href="https://www.wunderground.com/dashboard/pws/ISYDNEYF2">https://www.wunderground.com/dashboard/pws/ISYDNEYF2</a>
69	McKinnons Bay	46.02	-60.13	WU	<a href="https://www.wunderground.com/dashboard/pws/IALBER3">https://www.wunderground.com/dashboard/pws/IALBER3</a>
70	FrontLake	46.04	-60.17	WU	<a href="https://www.wunderground.com/dashboard/pws/ICARIB8">https://www.wunderground.com/dashboard/pws/ICARIB8</a>
71	Catalone	45.99	-59.99	WU	<a href="https://www.wunderground.com/dashboard/pws/ICATALON21">https://www.wunderground.com/dashboard/pws/ICATALON21</a>
72	Waddens Cove	46.08	-59.86	WU	<a href="https://www.wunderground.com/dashboard/pws/ISOUTHHE4">https://www.wunderground.com/dashboard/pws/ISOUTHHE4</a>
73	Port Caledonia	46.17	-59.91	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO23">https://www.wunderground.com/dashboard/pws/INOVASCO23</a>
74	Glace Bay	46.18	-59.96	WU	<a href="https://www.wunderground.com/dashboard/pws/IGLACE1">https://www.wunderground.com/dashboard/pws/IGLACE1</a>
75	Tanya Drive	46.21	-59.99	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO71">https://www.wunderground.com/dashboard/pws/INOVASCO71</a>
76	Dominion	46.21	-60.03	WU	<a href="https://www.wunderground.com/dashboard/pws/IDOMINIO3">https://www.wunderground.com/dashboard/pws/IDOMINIO3</a>
77	New Waterford Hwy. New Victoria	46.26	-60.12	WU	<a href="https://www.wunderground.com/dashboard/pws/INEWVICT2">https://www.wunderground.com/dashboard/pws/INEWVICT2</a>
78	South Bar	46.18	-60.20	WU	<a href="https://www.wunderground.com/dashboard/pws/ISOUTH532">https://www.wunderground.com/dashboard/pws/ISOUTH532</a>
79	CBRM Public Works	46.14	-60.18	WU	<a href="https://www.wunderground.com/dashboard/pws/ISYDNE403">https://www.wunderground.com/dashboard/pws/ISYDNE403</a>

<b>80</b>	Sydney	46.12	-60.16	WU	<a href="https://www.wunderground.com/dashboard/pws/IMIRAR1">https://www.wunderground.com/dashboard/pws/IMIRAR1</a>
<b>81</b>	McKinnons Bay	46.02	-60.13	WU	<a href="https://www.wunderground.com/dashboard/pws/IALBER3">https://www.wunderground.com/dashboard/pws/IALBER3</a>
<b>82</b>	Port of Iona	45.96	-60.80	WU	<a href="https://www.wunderground.com/dashboard/pws/IIONA2">https://www.wunderground.com/dashboard/pws/IIONA2</a>
<b>83</b>	Iona Highland Village	45.95	-60.82	WU	<a href="https://www.wunderground.com/dashboard/pws/IIONA3">https://www.wunderground.com/dashboard/pws/IIONA3</a>
<b>84</b>	Estmere	45.95	-60.99	WU	<a href="https://www.wunderground.com/dashboard/pws/IESTMERE2">https://www.wunderground.com/dashboard/pws/IESTMERE2</a>
<b>85</b>	Island Point	46.12	-60.57	WU	<a href="https://www.wunderground.com/dashboard/pws/ISOUTHSI3">https://www.wunderground.com/dashboard/pws/ISOUTHSI3</a>
<b>86</b>	Southside Boularderie	46.18	-60.48	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO189">https://www.wunderground.com/dashboard/pws/INOVASCO189</a>
<b>87</b>	Ross Ferry	46.17	-60.57	WU	<a href="https://www.wunderground.com/dashboard/pws/IROSSFER2">https://www.wunderground.com/dashboard/pws/IROSSFER2</a>
<b>88</b>	Marble Mountain Village	45.83	-61.01	WU	<a href="https://www.wunderground.com/dashboard/pws/IMARBLEM2">https://www.wunderground.com/dashboard/pws/IMARBLEM2</a>
<b>89</b>	Roberta	45.75	-60.88	WU	<a href="https://www.wunderground.com/dashboard/pws/IROBERTA2">https://www.wunderground.com/dashboard/pws/IROBERTA2</a>
<b>90</b>	Beaver Cove	46.07	-60.57	WU	<a href="https://www.wunderground.com/dashboard/pws/IBEAVERC6">https://www.wunderground.com/dashboard/pws/IBEAVERC6</a>
<b>91</b>	Johnstown	45.81	-60.72	WU	<a href="https://www.wunderground.com/dashboard/pws/IJOHNSTO5">https://www.wunderground.com/dashboard/pws/IJOHNSTO5</a>
<b>92</b>	Gabarus	45.84	-60.14	WU	<a href="https://www.wunderground.com/dashboard/pws/IGABAR2">https://www.wunderground.com/dashboard/pws/IGABAR2</a>
<b>93</b>	Amherst Waste Water Treatment Plant	45.84	-64.24	WU	<a href="https://www.wunderground.com/dashboard/pws/IFORTL1">https://www.wunderground.com/dashboard/pws/IFORTL1</a>
<b>94</b>	Amherst Town Hall	45.83	-64.21	WU	<a href="https://www.wunderground.com/dashboard/pws/IAMHER4">https://www.wunderground.com/dashboard/pws/IAMHER4</a>
<b>95</b>	Chignecto Housing Co-op	45.83	-64.19	WU	<a href="https://www.wunderground.com/dashboard/pws/IAMHERST5">https://www.wunderground.com/dashboard/pws/IAMHERST5</a>
<b>96</b>	Gladstone Amherst	45.82	-64.19	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO143">https://www.wunderground.com/dashboard/pws/INOVASCO143</a>
<b>97</b>	Amherst Fire Department	45.83	-64.21	WU	<a href="https://www.wunderground.com/dashboard/pws/IAMHER6">https://www.wunderground.com/dashboard/pws/IAMHER6</a>
<b>98</b>	Top of the Hill	45.82	-64.21	WU	<a href="https://www.wunderground.com/dashboard/pws/IAMHERST11">https://www.wunderground.com/dashboard/pws/IAMHERST11</a>
<b>99</b>	Sunrise Trail	45.89	-63.97	WU	<a href="https://www.wunderground.com/dashboard/pws/IAMHERST4">https://www.wunderground.com/dashboard/pws/IAMHERST4</a>
<b>100</b>	MyStation	45.92	-63.89	WU	<a href="https://www.wunderground.com/dashboard/pws/ILOWER25">https://www.wunderground.com/dashboard/pws/ILOWER25</a>
<b>101</b>	Seacrest Lane	45.91	-63.82	WU	<a href="https://www.wunderground.com/dashboard/pws/ILINDE7">https://www.wunderground.com/dashboard/pws/ILINDE7</a>
<b>102</b>	SpringField Farm	45.83	-63.75	WU	<a href="https://www.wunderground.com/dashboard/pws/IROCKL2">https://www.wunderground.com/dashboard/pws/IROCKL2</a>
<b>103</b>	Oxford Nova Scotia	45.74	-63.86	WU	<a href="https://www.wunderground.com/dashboard/pws/IOXFORD88">https://www.wunderground.com/dashboard/pws/IOXFORD88</a>
<b>104</b>	Weather Station	45.40	-63.69	WU	<a href="https://www.wunderground.com/dashboard/pws/IPORTA28">https://www.wunderground.com/dashboard/pws/IPORTA28</a>
<b>105</b>	Drew H	45.61	-64.09	WU	<a href="https://www.wunderground.com/dashboard/pws/ILEAMI2">https://www.wunderground.com/dashboard/pws/ILEAMI2</a>
<b>106</b>	Collingwood NS Fire Hall	45.61	-63.93	WU	<a href="https://www.wunderground.com/dashboard/pws/ICOLLING21">https://www.wunderground.com/dashboard/pws/ICOLLING21</a>

<b>107</b>	Herrett Road	45.64	-64.07	WU	<a href="https://www.wunderground.com/dashboard/pws/ISPRIN9">https://www.wunderground.com/dashboard/pws/ISPRIN9</a>
<b>108</b>	Jimtown	45.71	-61.90	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO27">https://www.wunderground.com/dashboard/pws/INOVASCO27</a>
<b>109</b>	Lakevale	45.79	-61.92	WU	<a href="https://www.wunderground.com/dashboard/pws/ILAKEV1">https://www.wunderground.com/dashboard/pws/ILAKEV1</a>
<b>110</b>	Merigomish	45.65	-62.40	WU	<a href="https://www.wunderground.com/dashboard/pws/IMERIGOM4">https://www.wunderground.com/dashboard/pws/IMERIGOM4</a>
<b>111</b>	Fraser's Mountain Sub	45.59	-62.63	WU	<a href="https://www.wunderground.com/dashboard/pws/INEWGLAS3">https://www.wunderground.com/dashboard/pws/INEWGLAS3</a>
<b>112</b>	Antigonish	45.62	-61.98	WU	<a href="https://www.wunderground.com/dashboard/pws/IA NTIG1">https://www.wunderground.com/dashboard/pws/IA NTIG1</a>
<b>113</b>	Scott Aitken	45.70	-62.65	WU	<a href="https://www.wunderground.com/dashboard/pws/INSBRAES2">https://www.wunderground.com/dashboard/pws/INSBRAES2</a>
<b>114</b>	Lems Weather	45.68	-62.70	WU	<a href="https://www.wunderground.com/dashboard/pws/INSPICTO11">https://www.wunderground.com/dashboard/pws/INSPICTO11</a>
<b>115</b>	Three Brooks	45.73	-62.77	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO228">https://www.wunderground.com/dashboard/pws/INOVASCO228</a>
<b>116</b>	Caribou River	45.77	-62.86	WU	<a href="https://www.wunderground.com/dashboard/pws/ICARIBOU2">https://www.wunderground.com/dashboard/pws/ICARIBOU2</a>
<b>117</b>	Brule Point	45.76	-63.21	WU	<a href="https://www.wunderground.com/dashboard/pws/IBRULEPO2">https://www.wunderground.com/dashboard/pws/IBRULEPO2</a>
<b>118</b>	Sunrise Shore Marina	45.73	-63.27	WU	<a href="https://www.wunderground.com/dashboard/pws/IBRULESH2">https://www.wunderground.com/dashboard/pws/IBRULESH2</a>
<b>119</b>	Johnny 5	45.77	-63.57	WU	<a href="https://www.wunderground.com/dashboard/pws/IMIDDL2">https://www.wunderground.com/dashboard/pws/IMIDDL2</a>
<b>120</b>	Guysborough	45.38	-61.51	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO144">https://www.wunderground.com/dashboard/pws/INOVASCO144</a>
<b>121</b>	Ecowitt	45.21	-61.49	WU	<a href="https://www.wunderground.com/dashboard/pws/INEWHA6">https://www.wunderground.com/dashboard/pws/INEWHA6</a>
<b>122</b>	Camp Weather Station	45.01	-62.01	WU	<a href="https://www.wunderground.com/dashboard/pws/ILISCO1">https://www.wunderground.com/dashboard/pws/ILISCO1</a>
<b>123</b>	Spanish Ship Bay	45.03	-62.03	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO39">https://www.wunderground.com/dashboard/pws/INOVASCO39</a>
<b>124</b>	Ohio	45.48	-62.05	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO208">https://www.wunderground.com/dashboard/pws/INOVASCO208</a>
<b>125</b>	CDL8	45.41	-62.62	WU	<a href="https://www.wunderground.com/dashboard/pws/ICENTRED4">https://www.wunderground.com/dashboard/pws/ICENTRED4</a>
<b>126</b>	Eco_ONE	45.36	-63.29	WU	<a href="https://www.wunderground.com/dashboard/pws/ITRURO33">https://www.wunderground.com/dashboard/pws/ITRURO33</a>
<b>127</b>	Davesweather	45.36	-63.30	WU	<a href="https://www.wunderground.com/dashboard/pws/ITRURO28">https://www.wunderground.com/dashboard/pws/ITRURO28</a>
<b>128</b>	Princeton Hts	45.36	-63.25	WU	<a href="https://www.wunderground.com/dashboard/pws/ISALMONR3">https://www.wunderground.com/dashboard/pws/ISALMONR3</a>
<b>129</b>	Stevens Rd	45.19	-63.29	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO53">https://www.wunderground.com/dashboard/pws/INOVASCO53</a>
<b>130</b>	Mccurdy	45.12	-63.29	WU	<a href="https://www.wunderground.com/dashboard/pws/IWESTS4">https://www.wunderground.com/dashboard/pws/IWESTS4</a>
<b>131</b>	Soggy Owl	45.02	-63.16	WU	<a href="https://www.wunderground.com/dashboard/pws/ISOUTH657">https://www.wunderground.com/dashboard/pws/ISOUTH657</a>
<b>132</b>	Cooks Lake	45.00	-63.27	WU	<a href="https://www.wunderground.com/dashboard/pws/ICOOKSBR3">https://www.wunderground.com/dashboard/pws/ICOOKSBR3</a>
<b>133</b>	weather	45.04	-63.15	WU	<a href="https://www.wunderground.com/dashboard/pws/IMIDDL10">https://www.wunderground.com/dashboard/pws/IMIDDL10</a>

<b>134</b>	Rural	44.74	-62.84	WU	<a href="https://www.wunderground.com/dashboard/pws/IOWLSHEA2">https://www.wunderground.com/dashboard/pws/IOWLSHEA2</a>
<b>135</b>	Martinique Beach	44.69	-63.14	WU	<a href="https://www.wunderground.com/dashboard/pws/IEASTP6">https://www.wunderground.com/dashboard/pws/IEASTP6</a>
<b>136</b>	PIWeather	44.74	-63.33	WU	<a href="https://www.wunderground.com/dashboard/pws/IORTE22">https://www.wunderground.com/dashboard/pws/IORTE22</a>
<b>137</b>	MacDougall	44.71	-63.30	WU	<a href="https://www.wunderground.com/dashboard/pws/IORTE20">https://www.wunderground.com/dashboard/pws/IORTE20</a>
<b>138</b>	West Porters Lake	44.68	-63.31	WU	<a href="https://www.wunderground.com/dashboard/pws/IWESTPOR11">https://www.wunderground.com/dashboard/pws/IWESTPOR11</a>
<b>139</b>	Tree Phantom Arbour Farm	44.65	-63.28	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO190">https://www.wunderground.com/dashboard/pws/INOVASCO190</a>
<b>140</b>	Lawrencetown	44.67	-63.38	WU	<a href="https://www.wunderground.com/dashboard/pws/ILAWRE2">https://www.wunderground.com/dashboard/pws/ILAWRE2</a>
<b>141</b>	Cole Harbour	44.68	-63.47	WU	<a href="https://www.wunderground.com/dashboard/pws/INSCOLEH2">https://www.wunderground.com/dashboard/pws/INSCOLEH2</a>
<b>142</b>	Lochiel WS	44.69	-63.49	WU	<a href="https://www.wunderground.com/dashboard/pws/IWESTP4">https://www.wunderground.com/dashboard/pws/IWESTP4</a>
<b>143</b>	Morris Lake Estates	44.65	-63.49	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO77">https://www.wunderground.com/dashboard/pws/INOVASCO77</a>
<b>144</b>	Russell Lake West	44.66	-63.52	WU	<a href="https://www.wunderground.com/dashboard/pws/IDARTMOU21">https://www.wunderground.com/dashboard/pws/IDARTMOU21</a>
<b>145</b>	Dartmouth	44.68	-63.53	WU	<a href="https://www.wunderground.com/dashboard/pws/IDARTMOU27">https://www.wunderground.com/dashboard/pws/IDARTMOU27</a>
<b>146</b>	Wade's Weather Station	45.42	-63.31	WU	<a href="https://www.wunderground.com/dashboard/pws/INSONSLO2">https://www.wunderground.com/dashboard/pws/INSONSLO2</a>
<b>147</b>	COVE Weather Station	44.66	-63.56	WU	<a href="https://www.wunderground.com/dashboard/pws/IDARTM1">https://www.wunderground.com/dashboard/pws/IDARTM1</a>
<b>148</b>	Lakeview Avenue	44.68	-63.56	WU	<a href="https://www.wunderground.com/dashboard/pws/IDARTM3">https://www.wunderground.com/dashboard/pws/IDARTM3</a>
<b>149</b>	Brightwood Golf & Country Club	44.68	-63.57	WU	<a href="https://www.wunderground.com/dashboard/pws/IDARTMOU8">https://www.wunderground.com/dashboard/pws/IDARTMOU8</a>
<b>150</b>	Black Rock	45.32	-63.48	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO91">https://www.wunderground.com/dashboard/pws/INOVASCO91</a>
<b>151</b>	Loon Lane	45.23	-63.32	WU	<a href="https://www.wunderground.com/dashboard/pws/ISHORT2">https://www.wunderground.com/dashboard/pws/ISHORT2</a>
<b>152</b>	Noel Shore	45.31	-63.66	WU	<a href="https://www.wunderground.com/dashboard/pws/INOELS1">https://www.wunderground.com/dashboard/pws/INOELS1</a>
<b>153</b>	Stanley Airfield (CCW4)	45.09	-63.92	WU	<a href="https://www.wunderground.com/dashboard/pws/ISTANL4">https://www.wunderground.com/dashboard/pws/ISTANL4</a>
<b>154</b>	Upper Burlington	45.06	-64.02	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO109">https://www.wunderground.com/dashboard/pws/INOVASCO109</a>
<b>155</b>	Beachweather	45.12	-64.25	WU	<a href="https://www.wunderground.com/dashboard/pws/IAVONP1">https://www.wunderground.com/dashboard/pws/IAVONP1</a>
<b>156</b>	Port Williams	45.10	-64.41	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO29">https://www.wunderground.com/dashboard/pws/INOVASCO29</a>
<b>157</b>	AFF	45.14	-64.39	WU	<a href="https://www.wunderground.com/dashboard/pws/ILOWER16">https://www.wunderground.com/dashboard/pws/ILOWER16</a>
<b>158</b>	TheBoonies	45.17	-64.36	WU	<a href="https://www.wunderground.com/dashboard/pws/IMEDFORD2">https://www.wunderground.com/dashboard/pws/IMEDFORD2</a>
<b>159</b>	Brooklyn Corner	45.09	-64.63	WU	<a href="https://www.wunderground.com/dashboard/pws/IBROOKLY3">https://www.wunderground.com/dashboard/pws/IBROOKLY3</a>
<b>160</b>	Chappel	45.09	-64.67	WU	<a href="https://www.wunderground.com/dashboard/pws/IGRAFT19">https://www.wunderground.com/dashboard/pws/IGRAFT19</a>



<b>161</b>	Woodville Nova Scotia	45.11	-64.66	WU	<a href="https://www.wunderground.com/dashboard/pws/IWOODVIL4">https://www.wunderground.com/dashboard/pws/IWOODVIL4</a>
<b>162</b>	INOVASC0229	45.04	-64.98	WU	<a href="https://www.wunderground.com/dashboard/pws/IEASTM4">https://www.wunderground.com/dashboard/pws/IEASTM4</a>
<b>163</b>	Weather	45.00	-65.17	WU	<a href="https://www.wunderground.com/dashboard/pws/IPORTG1">https://www.wunderground.com/dashboard/pws/IPORTG1</a>
<b>164</b>	Upper Clements Cottages	44.71	-65.56	WU	<a href="https://www.wunderground.com/dashboard/pws/IUPPERCL2">https://www.wunderground.com/dashboard/pws/IUPPERCL2</a>
<b>165</b>	Station R	44.68	-65.71	WU	<a href="https://www.wunderground.com/dashboard/pws/IPORTWAD3">https://www.wunderground.com/dashboard/pws/IPORTWAD3</a>
<b>166</b>	Cleveland's Weather Station	44.63	-65.77	WU	<a href="https://www.wunderground.com/dashboard/pws/IMOUNT121">https://www.wunderground.com/dashboard/pws/IMOUNT121</a>
<b>167</b>	Coastal Port Maitland	43.99	-66.15	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO73">https://www.wunderground.com/dashboard/pws/INOVASCO73</a>
<b>168</b>	Hebron	43.89	-66.09	WU	<a href="https://www.wunderground.com/dashboard/pws/IHEBRON2">https://www.wunderground.com/dashboard/pws/IHEBRON2</a>
<b>169</b>	Home Weather Station	43.83	-66.11	WU	<a href="https://www.wunderground.com/dashboard/pws/IYARMO1">https://www.wunderground.com/dashboard/pws/IYARMO1</a>
<b>170</b>	Sluice Point	43.79	-65.97	WU	<a href="https://www.wunderground.com/dashboard/pws/ISLUICEP5">https://www.wunderground.com/dashboard/pws/ISLUICEP5</a>
<b>171</b>	Upper Wedgeport	43.76	-65.99	WU	<a href="https://www.wunderground.com/dashboard/pws/IUPPER40">https://www.wunderground.com/dashboard/pws/IUPPER40</a>
<b>172</b>	Abbotts Harbour Road	43.66	-65.82	WU	<a href="https://www.wunderground.com/dashboard/pws/IMIDDL9">https://www.wunderground.com/dashboard/pws/IMIDDL9</a>
<b>173</b>	Crowley Cove Weather Station	44.12	-64.59	WU	<a href="https://www.wunderground.com/dashboard/pws/IPORTM10">https://www.wunderground.com/dashboard/pws/IPORTM10</a>
<b>174</b>	FoxCreek	44.14	-64.62	WU	<a href="https://www.wunderground.com/dashboard/pws/INSFOXCR2">https://www.wunderground.com/dashboard/pws/INSFOXCR2</a>
<b>175</b>	Upper Kingsburg	44.29	-64.27	WU	<a href="https://www.wunderground.com/dashboard/pws/IKINGSBU3">https://www.wunderground.com/dashboard/pws/IKINGSBU3</a>
<b>176</b>	Rye Hill Meadows	44.37	-64.27	WU	<a href="https://www.wunderground.com/dashboard/pws/IGARDENL2">https://www.wunderground.com/dashboard/pws/IGARDENL2</a>
<b>177</b>	Lunenburg Harbour	44.38	-64.31	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO232">https://www.wunderground.com/dashboard/pws/INOVASCO232</a>
<b>178</b>	weather1	44.37	-64.44	WU	<a href="https://www.wunderground.com/dashboard/pws/IRHODE3">https://www.wunderground.com/dashboard/pws/IRHODE3</a>
<b>179</b>	Malcolm Residence	44.38	-64.49	WU	<a href="https://www.wunderground.com/dashboard/pws/INSDAYSP2">https://www.wunderground.com/dashboard/pws/INSDAYSP2</a>
<b>180</b>	Jims Home Weather	44.38	-64.53	WU	<a href="https://www.wunderground.com/dashboard/pws/IBRIDG2">https://www.wunderground.com/dashboard/pws/IBRIDG2</a>
<b>181</b>	Young Island	44.48	-64.29	WU	<a href="https://www.wunderground.com/dashboard/pws/IINDIANP3">https://www.wunderground.com/dashboard/pws/IINDIANP3</a>
<b>182</b>	Stanford Lake	44.55	-64.24	WU	<a href="https://www.wunderground.com/dashboard/pws/ICHESTER32">https://www.wunderground.com/dashboard/pws/ICHESTER32</a>
<b>183</b>	Mill Lake Rd no 2	44.64	-64.08	WU	<a href="https://www.wunderground.com/dashboard/pws/ISIMMSSE2">https://www.wunderground.com/dashboard/pws/ISIMMSSE2</a>
<b>184</b>	Sunset	44.64	-63.93	WU	<a href="https://www.wunderground.com/dashboard/pws/IGLENH5">https://www.wunderground.com/dashboard/pws/IGLENH5</a>
<b>185</b>	TANNER FREDERICK	44.65	-63.92	WU	<a href="https://www.wunderground.com/dashboard/pws/IGLENH7">https://www.wunderground.com/dashboard/pws/IGLENH7</a>
<b>186</b>	Bayside	44.53	-63.79	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO128">https://www.wunderground.com/dashboard/pws/INOVASCO128</a>
<b>187</b>	VE1BZ	44.69	-63.87	WU	<a href="https://www.wunderground.com/dashboard/pws/IUPPER3">https://www.wunderground.com/dashboard/pws/IUPPER3</a>

<b>188</b>	Three Brooks	44.66	-63.83	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO245">https://www.wunderground.com/dashboard/pws/INOVASCO245</a>
<b>189</b>	Three Brooks (EcoWitt)	44.65	-63.82	WU	<a href="https://www.wunderground.com/dashboard/pws/IHUBLE3">https://www.wunderground.com/dashboard/pws/IHUBLE3</a>
<b>190</b>	Duncans Cove	44.50	-63.53	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO72">https://www.wunderground.com/dashboard/pws/INOVASCO72</a>
<b>191</b>	Herring Cove Road 800 Block	44.58	-63.58	WU	<a href="https://www.wunderground.com/dashboard/pws/INSHALIF15">https://www.wunderground.com/dashboard/pws/INSHALIF15</a>
<b>192</b>	Brewer Court	44.63	-63.63	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO119">https://www.wunderground.com/dashboard/pws/INOVASCO119</a>
<b>193</b>	SMU Observatory	44.63	-63.58	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO115">https://www.wunderground.com/dashboard/pws/INOVASCO115</a>
<b>194</b>	Dalhousie Atmospheric Observatory	44.64	-63.59	WU	<a href="https://www.wunderground.com/dashboard/pws/IHALIF10">https://www.wunderground.com/dashboard/pws/IHALIF10</a>
<b>195</b>	Norwood St. Weather Station	44.64	-63.60	WU	<a href="https://www.wunderground.com/dashboard/pws/IHALIF20">https://www.wunderground.com/dashboard/pws/IHALIF20</a>
<b>196</b>	Halifax @ Connaught/Quinpool	44.64	-63.61	WU	<a href="https://www.wunderground.com/dashboard/pws/IHALIFAX46">https://www.wunderground.com/dashboard/pws/IHALIFAX46</a>
<b>197</b>	Murdoch	44.65	-63.63	WU	<a href="https://www.wunderground.com/dashboard/pws/IHALIF1">https://www.wunderground.com/dashboard/pws/IHALIF1</a>
<b>198</b>	Ashburn	44.65	-63.63	WU	<a href="https://www.wunderground.com/dashboard/pws/IHALIFAX39">https://www.wunderground.com/dashboard/pws/IHALIFAX39</a>
<b>199</b>	Tribeno	44.65	-63.59	WU	<a href="https://www.wunderground.com/dashboard/pws/IHALIFAX40">https://www.wunderground.com/dashboard/pws/IHALIFAX40</a>
<b>200</b>	NorthEndYard	44.66	-63.60	WU	<a href="https://www.wunderground.com/dashboard/pws/IHALIF21">https://www.wunderground.com/dashboard/pws/IHALIF21</a>
<b>201</b>	Hydrostone	44.67	-63.61	WU	<a href="https://www.wunderground.com/dashboard/pws/IHALIF3">https://www.wunderground.com/dashboard/pws/IHALIF3</a>
<b>202</b>	Ecowitt WH2320	44.70	-63.66	WU	<a href="https://www.wunderground.com/dashboard/pws/IHALIF17">https://www.wunderground.com/dashboard/pws/IHALIF17</a>
<b>203</b>	Teniere	44.73	-63.68	WU	<a href="https://www.wunderground.com/dashboard/pws/IBEDFO55">https://www.wunderground.com/dashboard/pws/IBEDFO55</a>
<b>204</b>	BEDFORD 5C	44.74	-63.65	WU	<a href="https://www.wunderground.com/dashboard/pws/IBEDFO7">https://www.wunderground.com/dashboard/pws/IBEDFO7</a>
<b>205</b>	Waverley Fireschool	44.78	-63.61	WU	<a href="https://www.wunderground.com/dashboard/pws/IWAVERLE3">https://www.wunderground.com/dashboard/pws/IWAVERLE3</a>
<b>206</b>	Home	44.77	-63.65	WU	<a href="https://www.wunderground.com/dashboard/pws/ILOWER68">https://www.wunderground.com/dashboard/pws/ILOWER68</a>
<b>207</b>	First Lake	44.76	-63.66	WU	<a href="https://www.wunderground.com/dashboard/pws/ILOWERSA12">https://www.wunderground.com/dashboard/pws/ILOWERSA12</a>
<b>208</b>	Caudle Park	44.77	-63.67	WU	<a href="https://www.wunderground.com/dashboard/pws/IBEDFORD45">https://www.wunderground.com/dashboard/pws/IBEDFORD45</a>
<b>209</b>	Lower Sackville	44.79	-63.69	WU	<a href="https://www.wunderground.com/dashboard/pws/ILOWERSA18">https://www.wunderground.com/dashboard/pws/ILOWERSA18</a>
<b>210</b>	Windsor Junction	44.79	-63.65	WU	<a href="https://www.wunderground.com/dashboard/pws/IWINDS20">https://www.wunderground.com/dashboard/pws/IWINDS20</a>
<b>211</b>	Springfield Lake	44.81	-63.75	WU	<a href="https://www.wunderground.com/dashboard/pws/IMIDDLES41">https://www.wunderground.com/dashboard/pws/IMIDDLES41</a>
<b>212</b>	Middle Sackville NS	44.82	-63.71	WU	<a href="https://www.wunderground.com/dashboard/pws/IMIDDLES32">https://www.wunderground.com/dashboard/pws/IMIDDLES32</a>
<b>213</b>	Kinross Court	44.83	-63.64	WU	<a href="https://www.wunderground.com/dashboard/pws/IFALLRIV5">https://www.wunderground.com/dashboard/pws/IFALLRIV5</a>
<b>214</b>	Fall River	44.82	-63.60	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO138">https://www.wunderground.com/dashboard/pws/INOVASCO138</a>



<b>215</b>	Grand Lake	44.88	-63.58	WU	<a href="https://www.wunderground.com/dashboard/pws/IGRANDLA84">https://www.wunderground.com/dashboard/pws/IGRANDLA84</a>
<b>216</b>	5 in 1 Right Access	44.88	-63.58	WU	<a href="https://www.wunderground.com/dashboard/pws/IGRAND4">https://www.wunderground.com/dashboard/pws/IGRAND4</a>
<b>217</b>	THE RIVERHOUSE	44.94	-63.56	WU	<a href="https://www.wunderground.com/dashboard/pws/IENFIELD22">https://www.wunderground.com/dashboard/pws/IENFIELD22</a>
<b>218</b>	Carmie's Pre	44.98	-63.51	WU	<a href="https://www.wunderground.com/dashboard/pws/IELMSDAL2">https://www.wunderground.com/dashboard/pws/IELMSDAL2</a>
<b>219</b>	Enfield	44.99	-63.54	WU	<a href="https://www.wunderground.com/dashboard/pws/IENFIELD23">https://www.wunderground.com/dashboard/pws/IENFIELD23</a>
<b>220</b>	Don's Weather Station	44.70	-63.70	WU	<a href="https://www.wunderground.com/dashboard/pws/IBEDFO31">https://www.wunderground.com/dashboard/pws/IBEDFO31</a>
<b>221</b>	Shed Weather	44.70	-63.77	WU	<a href="https://www.wunderground.com/dashboard/pws/IUPPER69">https://www.wunderground.com/dashboard/pws/IUPPER69</a>
<b>222</b>	VA1CYR	44.72	-63.70	WU	<a href="https://www.wunderground.com/dashboard/pws/IBEDFO16">https://www.wunderground.com/dashboard/pws/IBEDFO16</a>
<b>223</b>	Acurite Atlas	44.71	-63.85	WU	<a href="https://www.wunderground.com/dashboard/pws/ISTILL7">https://www.wunderground.com/dashboard/pws/ISTILL7</a>
<b>224</b>	Westwood	44.71	-63.87	WU	<a href="https://www.wunderground.com/dashboard/pws/IUPPER60">https://www.wunderground.com/dashboard/pws/IUPPER60</a>
<b>225</b>	Maplewood	44.75	-63.79	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO203">https://www.wunderground.com/dashboard/pws/INOVASCO203</a>
<b>226</b>	The Crossing	44.98	-64.11	WU	<a href="https://www.wunderground.com/dashboard/pws/IGARLA2">https://www.wunderground.com/dashboard/pws/IGARLA2</a>
<b>227</b>	Windsor Nova Scotia	44.99	-64.12	WU	<a href="https://www.wunderground.com/dashboard/pws/INSWESTH2">https://www.wunderground.com/dashboard/pws/INSWESTH2</a>
<b>228</b>	Falmouth Dyke	45.00	-64.17	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO40">https://www.wunderground.com/dashboard/pws/INOVASCO40</a>
<b>229</b>	West Brooklyn MTN	45.08	-64.27	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO20">https://www.wunderground.com/dashboard/pws/INOVASCO20</a>
<b>230</b>	Fireworks FX	45.09	-64.30	WU	<a href="https://www.wunderground.com/dashboard/pws/IMELAN1">https://www.wunderground.com/dashboard/pws/IMELAN1</a>
<b>231</b>	Westwood	44.71	-63.87	WU	<a href="https://www.wunderground.com/dashboard/pws/IUPPER60">https://www.wunderground.com/dashboard/pws/IUPPER60</a>
<b>232</b>	Coldbrook Hayes	45.05	-64.59	WU	<a href="https://www.wunderground.com/dashboard/pws/ICOLDB3">https://www.wunderground.com/dashboard/pws/ICOLDB3</a>
<b>233</b>	Coldbrook Weather	45.08	-64.60	WU	<a href="https://www.wunderground.com/dashboard/pws/ICOLDB2">https://www.wunderground.com/dashboard/pws/ICOLDB2</a>
<b>234</b>	Ecowitt	45.05	-64.69	WU	<a href="https://www.wunderground.com/dashboard/pws/IWATER34">https://www.wunderground.com/dashboard/pws/IWATER34</a>
<b>235</b>	Moored East	45.02	-64.76	WU	<a href="https://www.wunderground.com/dashboard/pws/IBERWI1">https://www.wunderground.com/dashboard/pws/IBERWI1</a>
<b>236</b>	River Pines	44.95	-65.02	WU	<a href="https://www.wunderground.com/dashboard/pws/ISOUTH591">https://www.wunderground.com/dashboard/pws/ISOUTH591</a>
<b>237</b>	Nictaux Weather	44.93	-65.05	WU	<a href="https://www.wunderground.com/dashboard/pws/INICTA4">https://www.wunderground.com/dashboard/pws/INICTA4</a>
<b>238</b>	Annapolis County	44.88	-65.16	WU	<a href="https://www.wunderground.com/dashboard/pws/ILAWRE4">https://www.wunderground.com/dashboard/pws/ILAWRE4</a>
<b>239</b>	Highway 1 Paradise	44.86	-65.24	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO87">https://www.wunderground.com/dashboard/pws/INOVASCO87</a>
<b>240</b>	Acurite Atlas	44.59	-65.76	WU	<a href="https://www.wunderground.com/dashboard/pws/IACACI2">https://www.wunderground.com/dashboard/pws/IACACI2</a>
<b>241</b>	Mapleseed	44.31	-65.93	WU	<a href="https://www.wunderground.com/dashboard/pws/IHAVEL12">https://www.wunderground.com/dashboard/pws/IHAVEL12</a>

<b>242</b>	Cedar Lake	44.02	-66.10	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO121">https://www.wunderground.com/dashboard/pws/INOVASCO121</a>
<b>243</b>	Sarty Rd	44.32	-64.62	WU	<a href="https://www.wunderground.com/dashboard/pws/IHEBBSCR2">https://www.wunderground.com/dashboard/pws/IHEBBSCR2</a>
<b>244</b>	Auburndale	44.41	-64.60	WU	<a href="https://www.wunderground.com/dashboard/pws/INOVASCO174">https://www.wunderground.com/dashboard/pws/INOVASCO174</a>
<b>245</b>	Campground WS	44.60	-64.61	WU	<a href="https://www.wunderground.com/dashboard/pws/INEWBU4">https://www.wunderground.com/dashboard/pws/INEWBU4</a>
<b>246</b>	Scarsdale	44.60	-64.63	WU	<a href="https://www.wunderground.com/dashboard/pws/ISCARSDA2">https://www.wunderground.com/dashboard/pws/ISCARSDA2</a>
<b>247</b>	Molega lake	44.36	-64.86	WU	<a href="https://www.wunderground.com/dashboard/pws/ILABELLE2">https://www.wunderground.com/dashboard/pws/ILABELLE2</a>
<b>248</b>	Deep Sky Eye Observatory Weather Station	43.91	-65.80	WU	<a href="https://www.wunderground.com/dashboard/pws/ISOUTH523">https://www.wunderground.com/dashboard/pws/ISOUTH523</a>

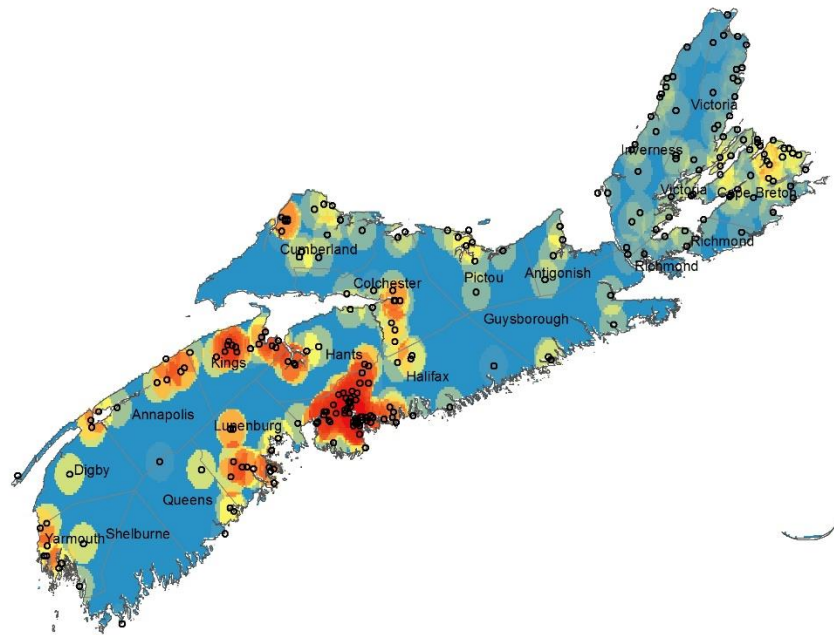
\* Note that ECCC represents *Environment and Climate Change Canada* and WU represents *Weather Underground*, respectively.

### 3. Spatial Gaps

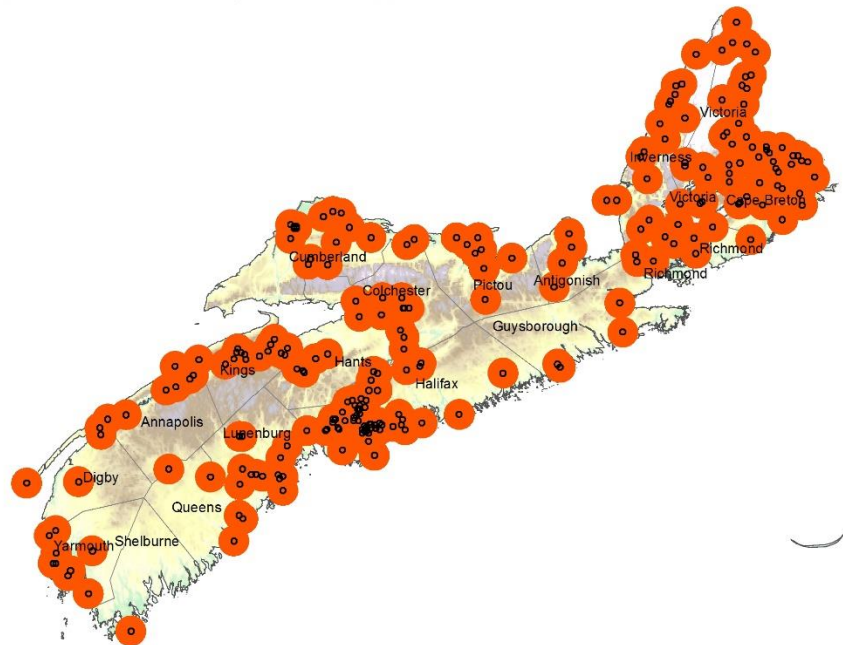
In order to identify the spatial gaps of real-time weather stations in Nova Scotia, we have generated two spatial maps including the density map of weather stations and a 10km buffer map of all weather stations. The results are shown in Figure 2.

While both maps can be used to identify the gaps in the spatial coverage of these real-time weather stations, we should note that the purpose of generating the 10km buffer map is to help identify those areas without any stations which will be given the highest priorities for installing additional stations. In comparison, the density map can be used to understand the robustness in monitoring local climate for those areas covered by the existing monitoring network. In other words, those areas with lower density are less reliable in terms of providing robust weather information and thus require the installation of more stations if resources are available.

**(a) Density map of all weather stations in Nova Scotia**



**(b) 10km buffer map of all weather stations in Nova Scotia**



**Figure 2.** Density map and 10km buffer map of all real-time weather stations in Nova Scotia.

## 4. Conclusions

In this study, we have collected all real-time weather stations available for Nova Scotia. These stations come from two sources: ECCC and WU. Although there are also other types of stations (e.g., the CoCoRaHS, website: <https://www.cocorahs.org/>) offering certain weather monitoring information, we did not consider them in this study because they are not operated automatically or not reporting information on a real-time basis. The detailed information about these real-time weather stations is made available in this report. In addition, we have analyzed the spatial coverage of all real-time weather stations in Nova Scotia. Our results showed that there are still significant spatial gaps in the existing weather monitoring network of Nova Scotia and additional real-time stations should be installed in order to collect robust weather information for flood forecasting.



## CLIMATE CHANGE REPORT **SERIES**

The Climate Change Report (CCR) series are prepared and published by the research group led by Dr. Xander Wang in the School of Climate Change and Adaptation at the University of Prince Edward Island, Charlottetown, Canada.

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### Citation to this report:

Wang, X. (2020). Real-Time Weather Stations in Nova Scotia and Their Spatial Gaps. School of Climate Change and Adaptation, University of Prince Edward Island, Charlottetown, Canada.



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