

## Springfield Park, Glen Allen November 2019

This November's mean of 45.4 was the coldest on record. The highest daily mean was 56.2°F on the 5<sup>th</sup> also a new low record. It was the fourth driest on record (records since 2008) as the monthly precipitation was 1.65 inches, a negative 2.10 inches departure when compared with Glen Allen's 11-year average. Precipitation occurred on 10 days in November and cloud cover was near average.

The maximum temperature for November was 71.2°F on the 5<sup>th</sup> which was the a new 11-year record low monthly maximum. The average maximum temperature was 56.1°F which was the second lowest in the past 11 years. The lowest minimum was 20.5°F recorded on the 14<sup>th</sup> which tied for the 3<sup>rd</sup> lowest for November. The highest minimum was only 49.4°F which was a -9.2°F departure, a new record for November. There were 12 days that the minimum temperature was less than or equal to 32°F which was 3.4 days more than average. The 0.3 inches of snow on the 12<sup>th</sup> was the most snow ever recorded in November at Springfield Park. The maximum wind gust was only 28 mph on the 27<sup>th</sup> the fourth lowest on record.

2019 AUTUMN SEASON SEP, OCT, NOV									
Winter Season Months	Mean Temp. °F	11 - YR Ave. °F	Temp. Dep. °F	Total Prec. Inches	11 - YR Ave. Inches	Prec. Dep. Inches	Total Snow Inches	11 - YR Ave. Inches	Snow Dep. Inches
<b>SEP.</b>	75.8	71.9	3.9	0.17	4.17	-4.00	0.0	0.0	0.0
<b>OCT.</b>	63.3	60.3	3.0	5.39	4.26	1.13	0.0	0.0	0.0
<b>NOV.</b>	45.3	48.9	-3.5	1.65	3.75	-2.10	0.3	0.0	0.3
<b>SUM AVE.</b>	184.4	181.0	3.3	7.21	12.19	-4.98	0.3	0.0	0.3
	61.5	60.3	1.1	2.40	4.06	-1.66	0.1	0.0	0.1

The fall season was 1.1°F warmer than normal based on a 11-year average as Sep & Oct were both above average. Glen Allen's 2019 average autumn temp. was 61.5°F the 3<sup>rd</sup> warmest autumn on record.

Glen Allen had the 2<sup>nd</sup> driest autumn with 7.21 inches of precipitation and a departure of -4.98 inches.

## Richmond International Airport

The November mean temperature was 46.0 which was the 14<sup>th</sup> coolest since 1897 and a departure from normal of -4.4°F. The 1.80 inches of precipitation recorded this month was the 51<sup>st</sup> driest Nov. of the past 132 years. This was a negative 1.44-inch departure from normal with a total of 11 days with measurable precipitation. The Airport's greatest daily precipitation was 0.76 inches on the 12<sup>th</sup>.

The warmest day was November 5<sup>th</sup> with 70°F and only 5 years have had a lower maximum temperature for Nov. The average maximum was 56.0°F which was the 18<sup>th</sup> lowest on record. The warmest daily minimum was 47°F which was the 2<sup>nd</sup> lowest on record; only 1910 had a lower reading of 45°F.

The Airport had 1 daily record for the month on the 13<sup>th</sup> as the daily mean was 30.5°F, the lowest daily mean on record for the date. The 0.9 inches of snow on the 12<sup>th</sup> tied for the 12<sup>th</sup> most snow in a November month. There are only 22 years of 123 years that have measurable snowfalls in November.

2019 AUTUMN SEASON SEP, OCT, NOV									
Winter Season Months	Mean Temp. °F	30 - YR Ave. °F	Temp. Dep. °F	Total Prec. Inches	30 - YR Ave. Inches	Prec. Dep. Inches	Total Snow Inches	30 - YR Ave. Inches	Snow Dep. Inches
<b>SEP.</b>	76.3	70.6	5.7	0.42	4.13	-3.71	0.0	0.0	0.0
<b>OCT.</b>	63.8	59.7	4.1	4.66	2.98	1.68	0.0	0.0	0.0
<b>NOV.</b>	46.0	50.4	-4.4	1.80	3.24	-1.44	0.9	0.2	0.7
<b>SUM AVE.</b>	186.1	180.7	5.4	6.88	10.35	-3.47	0.9	0.2	0.7
	62.0	60.2	1.8	2.29	3.45	-1.16	0.3	0.1	0.2

The Richmond International Airport's fall season was 1.8°F warmer than normal based on a 30-yr. average.

The fall precipitation was 10.35 inches, a departure of -3.47 inches based on a 30-year average.