

DETROIT ST CLAIR SHORES, MI, United States of America**Annual Climatic Design Data (2007–2019)**

Latitude	Longitude	Elevation ft	Standard Station Pressure psi	Winter Temperature °F	Summer Temperature °F	Extreme Wind Speed mph	Extreme Wind Direction
42.4711N	82.8766W	591	14.39	2.0	88.7	24.4	NNE

Monthly Winds (2007–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	2	3	3	2	2	2	1	1	1	1	2	2

Prevailing Wind #1

DIR	SW	SW	WNW	WNW	NE	NE	WSW	SW	SW	WSW	SW	WSW
%OCC	16	12	8	8	8	8	10	10	8	12	12	13
AVG mph	10.5	9.8	9.2	10.4	10.2	10.3	7.8	7.2	7.3	9.0	9.7	10.3
MED mph	10.4	9.5	9.2	10.4	10.3	10.0	6.8	6.0	6.4	8.3	9.4	9.7

Prevailing Wind #2

DIR	WSW	W	NNE	NNE	SE	WSW	SW	WSW	SSW	SW	SSW	SW
%OCC	13	11	8	8	8	8	10	9	8	11	12	13
AVG mph	10.3	10.4	13.5	12.8	8.0	9.3	7.5	7.4	7.3	9.3	8.5	9.6
MED mph	10.0	9.7	12.9	12.3	7.2	9.1	6.5	6.4	6.4	9.0	8.4	9.5

Prevailing Wind #3

DIR	W	WSW	W	NE	NNE	SW	W	W	WNW	W	WSW	W
%OCC	10	10	8	7	7	8	9	8	7	10	11	10
AVG mph	10.3	10.7	10.3	11.7	12.1	8.6	8.1	7.5	7.2	9.3	9.4	9.6
MED mph	10.0	10.1	10.1	11.4	11.6	8.3	6.9	6.8	6.2	9.3	8.6	9.4

Prevailing Wind #4

DIR	SSW	WNW	NNW	SE	SSW	W	SSW	WNW	WSW	SSW	W	SSW
%OCC	10	10	8	7	7	7	8	7	7	9	10	10
AVG mph	8.9	8.6	10.3	9.5	8.3	9.6	6.5	6.9	7.5	8.4	10.2	8.1
MED mph	8.9	7.7	9.9	9.2	7.5	9.2	5.8	6.3	6.2	7.6	9.7	7.7