

SUPERIOR GRAND TRAVERSE BAY, MI, United States of America

Annual Climatic Design Data (2008–2019)

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
47.179N	88.241W	191	99.05	-21.8	28.2	11.0	ESE

Monthly Winds (2008–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	5	5	6	8	8	10	10	10	9	10	15	14

Prevailing Wind #1

DIR	WSW	NW	NW	E	E	E	WNW	WNW	NW	WNW	NW	WSW
%OCC	14	14	13	13	14	13	15	14	14	12	12	13
AVG m/s	2.9	3.5	3.2	5.7	4.2	3.6	3.5	3.3	2.6	3.8	3.3	2.9
MED m/s	2.6	2.9	2.6	5.0	4.0	3.0	3.0	2.7	2.0	3.1	2.8	2.6

Prevailing Wind #2

DIR	W	W	WNW	ENE	ENE	ENE	NW	NW	WNW	NW	WSW	W
%OCC	14	14	13	12	14	13	13	14	12	12	11	12
AVG m/s	3.2	3.4	3.6	5.1	4.2	3.5	2.8	2.7	3.0	3.0	2.5	2.9
MED m/s	2.5	2.6	2.9	4.5	3.9	3.0	2.3	2.1	2.3	2.4	2.3	2.3

Prevailing Wind #3

DIR	NW	WNW	W	NW	NW	NW	W	W	W	W	WNW	WNW
%OCC	12	12	9	10	9	10	10	10	9	10	10	11
AVG m/s	3.6	3.5	2.9	3.1	3.2	2.8	3.3	3.1	2.6	3.0	3.4	3.1
MED m/s	3.2	2.7	2.4	2.3	2.7	2.2	2.6	2.5	2.1	2.2	2.7	2.3

Prevailing Wind #4

DIR	NNW	NNW	NNW	WNW	WNW	WNW	E	NNW	NNW	NNW	W	NW
%OCC	12	10	9	9	9	9	7	6	7	8	9	11
AVG m/s	3.8	3.5	3.4	3.8	3.9	3.6	3.3	2.4	2.7	3.0	2.7	3.1
MED m/s	3.5	3.0	2.9	3.2	3.5	3.0	2.9	2.1	2.1	2.5	2.1	2.6