

Grand Forks December 1991 - 2005

Range	Dir	Count	Upper Limit	Cum. Freq.	Wind Speed->	<=3	>3 - 9	>9 - 15	>15 - 21
>=348.75 - 11.25	N	869	11.25	869		57	395	268	114
>11.25 - 33.75	NNE	216	33.75	1085		37	165	14	
>33.75 - 56.25	NE	200	56.25	1285		46	151	3	
>56.25 - 78.75	ENE	237	78.75	1522		51	161	24	1
>78.75 - 101.25	E	270	101.25	1792		52	159	57	2
>101.25 - 123.75	ESE	335	123.75	2127		61	174	81	19
>123.75 - 146.25	SE	570	146.25	2697		82	317	133	37
>146.25 - 168.75	SSE	984	168.75	3681		63	520	306	90
>168.75 - 191.25	S	1523	191.25	5204		70	707	608	130
>191.25 - 213.75	SSW	689	213.75	5893		55	473	148	13
>213.75 - 236.25	SW	411	236.25	6304		71	312	27	1
>236.25 - 258.75	WSW	364	258.75	6668		56	250	52	6
>258.75 - 281.25	W	577	281.25	7245		65	323	160	21
>281.25 - 303.75	WNW	951	303.75	8196		92	413	341	67
>303.75 - 326.25	NW	1148	326.25	9344		87	566	368	99
>326.25 - 348.75	NNW	1816	348.75	11160		106	712	722	256

Range	Dir	Count	Upper Limit	Cum. Freq.	Wind Speed->	<=3	>3 - 9	>9 - 15	>15 - 21
>=348.75 - 11.25	N	7.79%	11.25	7.79%		0.51%	3.54%	2.40%	1.02%
>11.25 - 33.75	NNE	1.94%	33.75	9.72%		0.33%	1.48%	0.13%	
>33.75 - 56.25	NE	1.79%	56.25	11.51%		0.41%	1.35%	0.03%	
>56.25 - 78.75	ENE	2.12%	78.75	13.64%		0.46%	1.44%	0.22%	0.01%
>78.75 - 101.25	E	2.42%	101.25	16.06%		0.47%	1.42%	0.51%	0.02%
>101.25 - 123.75	ESE	3.00%	123.75	19.06%		0.55%	1.56%	0.73%	0.17%
>123.75 - 146.25	SE	5.11%	146.25	24.17%		0.73%	2.84%	1.19%	0.33%
>146.25 - 168.75	SSE	8.82%	168.75	32.98%		0.56%	4.66%	2.74%	0.81%
>168.75 - 191.25	S	13.65%	191.25	46.63%		0.63%	6.34%	5.45%	1.16%
>191.25 - 213.75	SSW	6.17%	213.75	52.80%		0.49%	4.24%	1.33%	0.12%
>213.75 - 236.25	SW	3.68%	236.25	56.49%		0.64%	2.80%	0.24%	0.01%
>236.25 - 258.75	WSW	3.26%	258.75	59.75%		0.50%	2.24%	0.47%	0.05%
>258.75 - 281.25	W	5.17%	281.25	64.92%		0.58%	2.89%	1.43%	0.19%
>281.25 - 303.75	WNW	8.52%	303.75	73.44%		0.82%	3.70%	3.06%	0.60%
>303.75 - 326.25	NW	10.29%	326.25	83.73%		0.78%	5.07%	3.30%	0.89%
>326.25 - 348.75	NNW	16.27%	348.75	100.00%		0.95%	6.38%	6.47%	2.29%

9.42% 51.95% 29.68% 7.67%

>21 - 27	>27
35	
1	
5	
8	
8	
26	12
27	1
20	

>21 - 27	>27
0.31%	
0.01%	
0.04%	
0.07%	
0.07%	
0.23%	0.11%
0.24%	0.01%
0.18%	
1.16%	0.12%