

### Frequency<sup>1</sup> of Astoria Wind SPEED, based on Time of Day

How to use this table: In May, at 0700 (7 am), if wind is from South (S), the average speed is 6 kt (7 mph).  
At 1300 (1 pm) in November, if the wind is from the South (S), the average speed is 12 kt (14 mph).

Month & Local Time		Astoria's Wind Speed (in knots) [wind speed in mph = 1.15 x speed in knots]															
		N 349° to 11°	NNE 11° to 34°	NE 34° to 56°	ENE 56° to 79°	E 79° to 101°	ESE 101° to 124°	SE 124° to 146°	SSE 146° to 169°	S 169° to 191°	SSW 191° to 214°	SW 214° to 236°	WSW 236° to 259°	W 259° to 281°	WNW 281° to 304°	NW 304° to 326°	NNW 326° to 349°
JAN	07	4	6	7	7	7	6	6	9	15	14	12	10	9	10	9	11
	13	5	6	7	8	9	9	7	12	14	15	12	12	10	10	9	6
	19	5	8	7	8	7	7	5	7	12	13	12	10	8	10	10	5
FEB	07	5	5	8	7	6	5	6	7	12	13	11	10	9	8	10	9
	13	5	7	8	9	9	10	11	10	13	14	12	11	10	10	8	6
	19	5	6	8	7	7	6	6	7	11	12	10	8	8	8	7	10
MAR	07	5	8	6	6	5	5	5	7	12	11	10	8	9	10	10	8
	13	7	8	9	11	9	10	10	11	13	13	12	11	11	12	10	7
	19	6	9	9	8	6	6	5	7	9	10	8	6	7	9	9	9
APR	07	4	6	5	5	5	5	5	6	8	9	9	9	7	8	9	9
	13	7	9	10	13	9	11	11	11	12	12	12	10	11	11	11	9
	16	10	8	12	11	9	10	9	12	11	12	11	10	9	11	13	11
	19	8	9	7	8	6	5	6	8	9	9	7	7	6	8	10	12
MAY	07	5	4	5	5	4	5	5	5	6	7	7	7	7	7	8	8
	13	7	9	11	11	7	7	9	12	12	12	11	10	9	11	12	10
	16	6	7	8	15	9	8	10	13	12	11	11	10	10	12	13	12
	19	8	8	7	9	5	5	6	7	8	8	8	7	7	8	10	12
JUN	07	6	4	5	5	4	4	5	5	6	6	7	6	6	7	8	8
	13	7	14	10	9	8	6	8	11	11	11	10	10	10	11	12	11
	16	7	14	9	6	4	0	8	10	11	11	10	9	10	11	13	14
	19	9	4	9	8	4	6	6	8	8	8	8	7	7	9	11	12
JUL	07	6	8	6	5	4	4	4	5	6	6	5	5	6	6	8	8
	13	7	10	16	14	9	0	0	9	11	11	10	9	9	11	12	11
	16	5	11	12	11	0	0	8	13	9	10	10	9	9	12	14	13
	19	12	0	0	10	3	0	5	11	7	8	7	6	7	10	12	12
AUG	07	6	4	5	5	4	4	4	5	5	6	6	5	5	7	8	9
	13	7	9	10	10	6	6	5	11	11	11	10	9	8	11	11	10
	16	9	0	9	9	8	5	8	11	10	11	10	9	9	12	13	13
	19	8	8	0	10	4	5	6	7	7	7	6	6	6	9	12	12
SEP	07	5	6	8	7	5	5	4	5	6	8	6	6	5	8	8	8
	13	6	9	11	11	8	7	9	10	11	11	10	9	7	10	10	8
	16	7	9	10	9	7	10	10	8	11	11	10	8	8	11	12	11
	19	6	10	10	8	5	4	5	6	7	7	6	5	6	7	10	10
OCT	07	7	7	8	6	5	5	5	7	8	10	9	8	6	8	9	7
	13	6	7	9	9	8	8	8	11	12	12	10	8	7	9	9	7
	16	5	8	9	9	7	9	7	9	10	10	9	8	7	9	9	9
	19	7	10	9	9	5	5	5	7	7	9	7	6	6	7	9	9
NOV	07	7	8	7	7	6	5	6	7	13	14	12	9	7	12	13	8
	13	5	6	7	8	8	9	8	11	12	14	11	9	10	11	9	7
	19	6	7	9	7	6	5	5	8	12	13	12	9	9	11	11	7
DEC	07	5	6	9	7	7	6	6	8	12	14	11	10	10	11	13	6
	13	5	5	8	8	8	9	8	10	14	14	13	10	10	11	9	8
	19	4	6	8	8	7	6	6	8	12	13	11	10	10	10	11	8

<sup>1</sup>Data based on hourly observations between 1948 and 1995.