

Flower Gardens NMS - May

Weather Days

Wave Height > 6.0 ft Mean: 3.7 days Range: 1.0 - 6.5 days

Wave Height > 7.0 ft Mean: 1.7 days Range: 0.0 - 3.4 days

Wave Height > 8.0 ft Mean: 0.8 days Range: 0.0 - 1.8 days

Working Window Probability

Wave Height < 6.0 ft 3 days or longer: 67%

5 days or longer: 45%

7 days or longer: 33%

Wave Height < 7.0 ft 3 days or longer: 73%

5 days or longer: 58%

7 days or longer: 54%

Wave Height < 8.0 ft 3 days or longer: 76%

5 days or longer: 65%

7 days or longer: 65%

Waves

Mean Height: 2 - 4 ft

The wave heights will occasionally reach 8 - 10 ft, but rarely higher.

Mean Period: 4 - 6 sec

The wave periods will occasionally reach 8 - 10 sec, but rarely longer.

Principle Direction, from: SE

WindSea/Swell: 36% / 64%

Winds

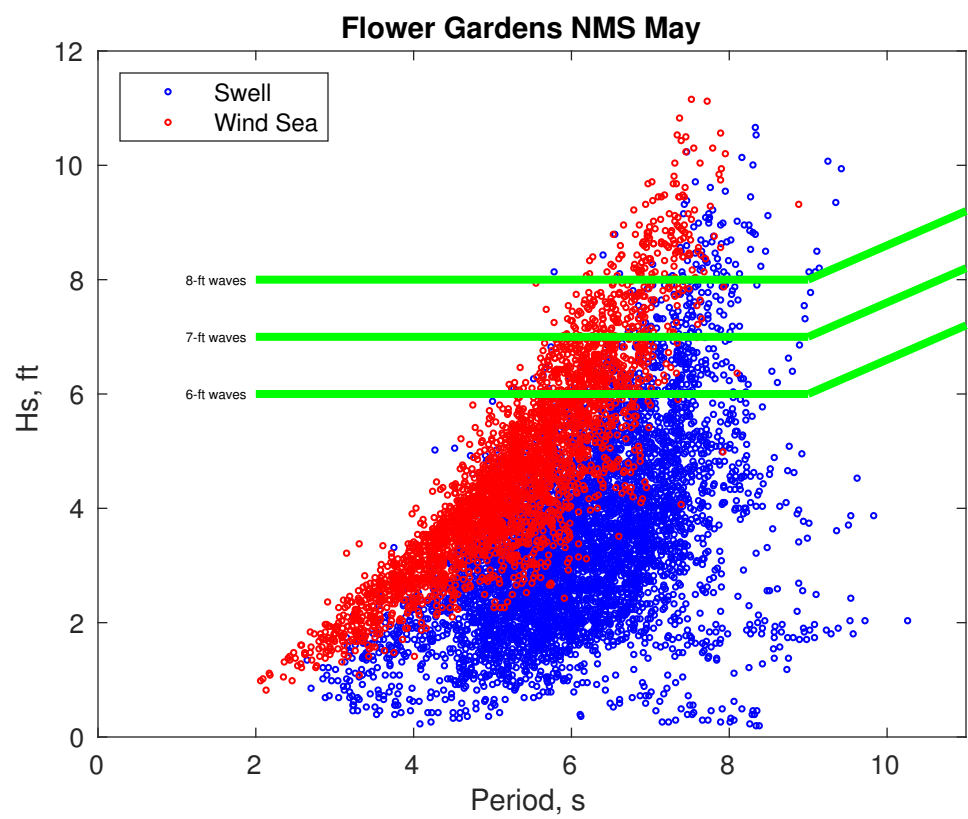
Mean Speed: 10 - 15 kts

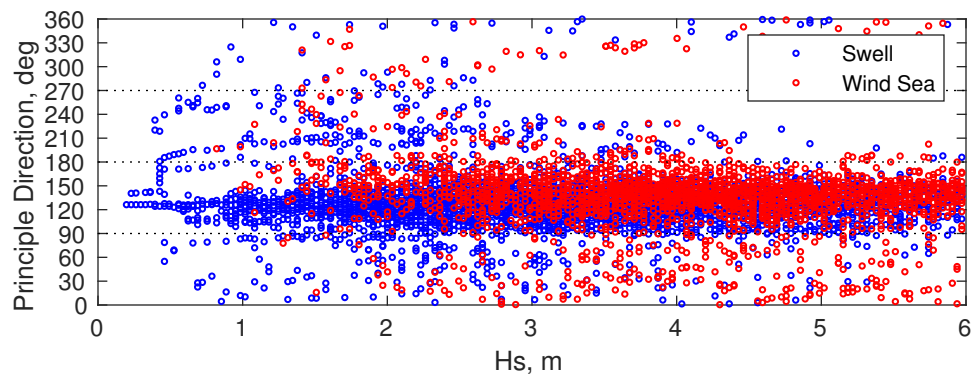
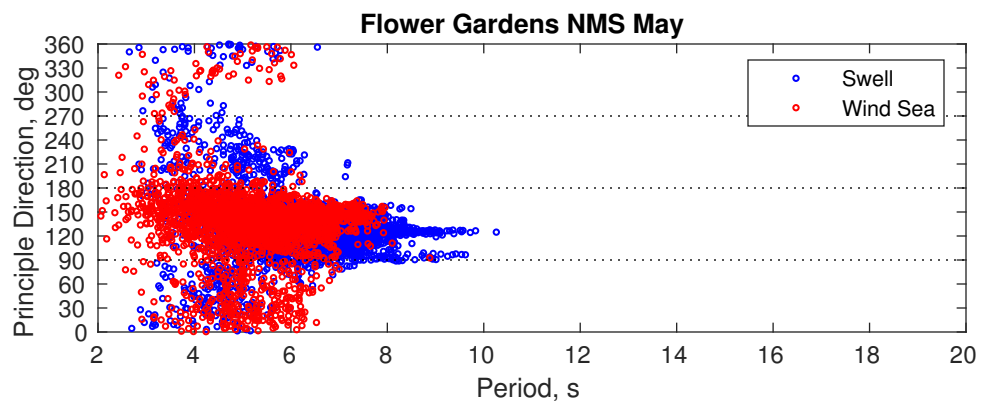
The winds will occasionally reach 20 - 25 kts, but rarely greater.

Principle Direction, from: SSE

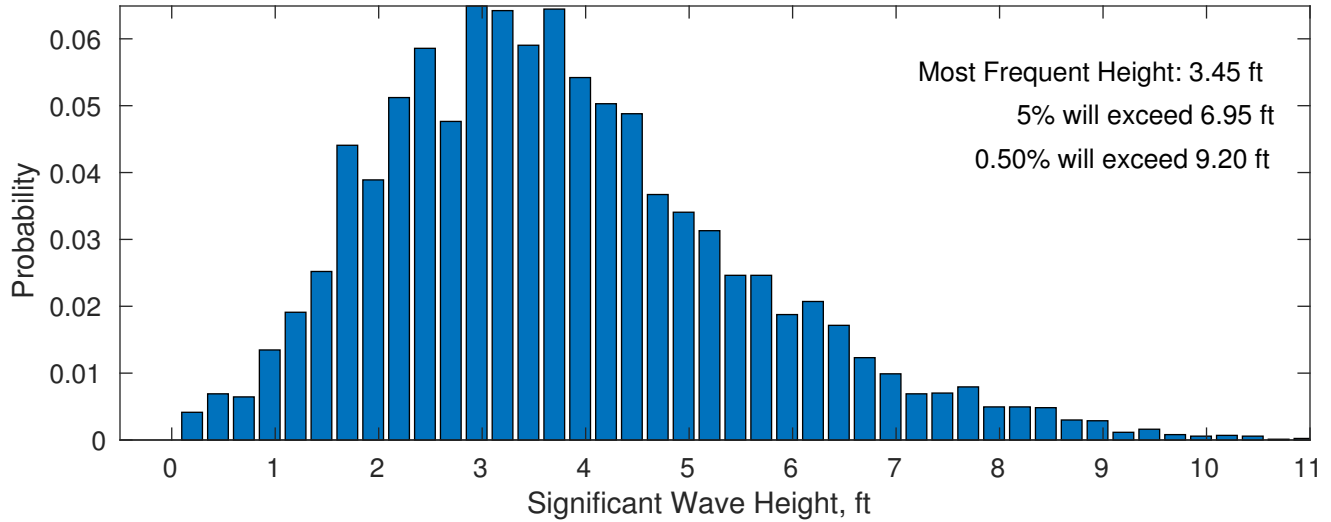
Severe Storms

Severe storms with gale force winds and extreme waves are not expected.

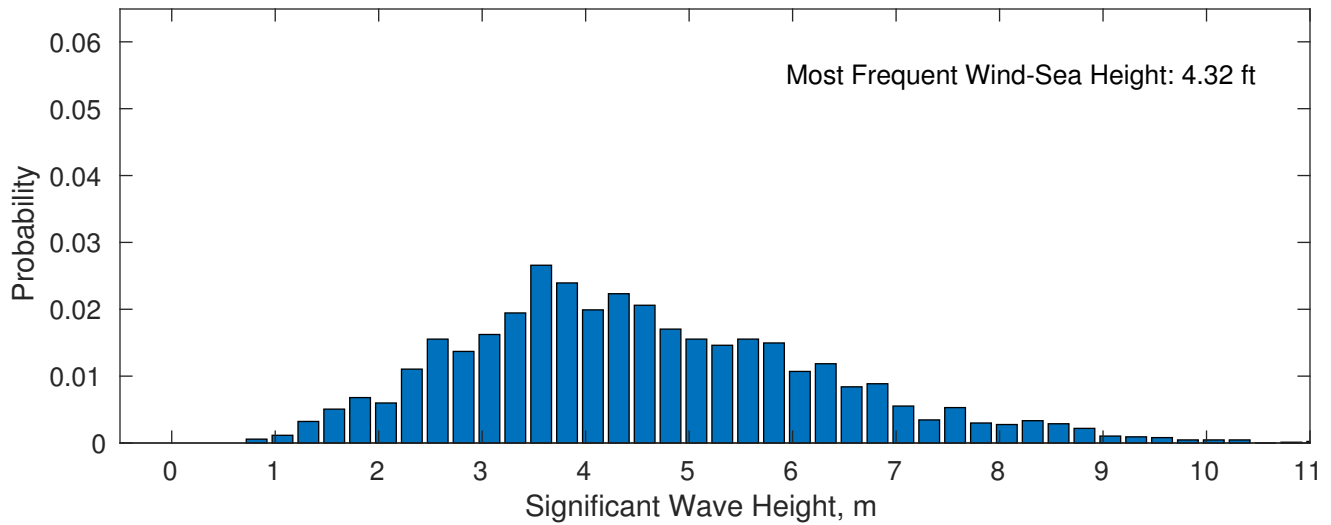




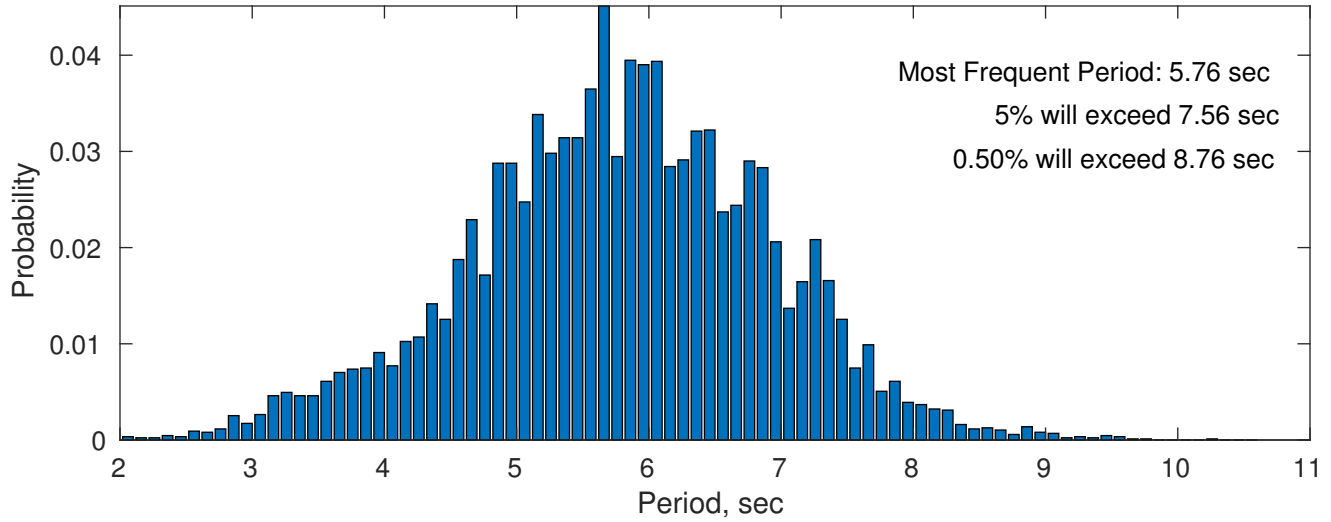
May Wave Height PDF: 1979 - 2015



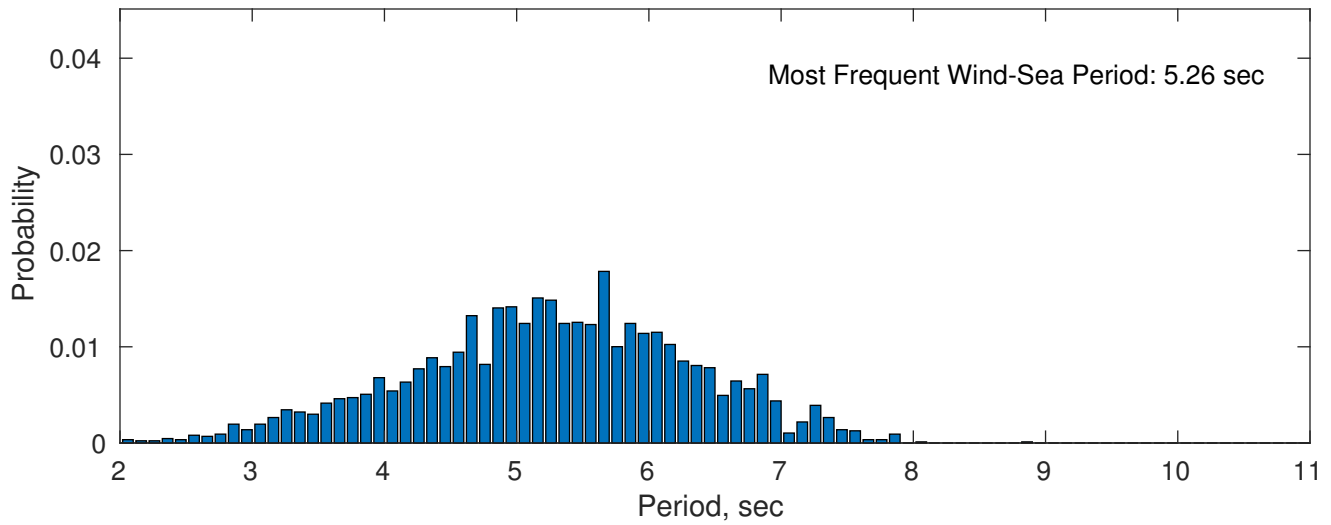
Wind-Sea: 36.25%



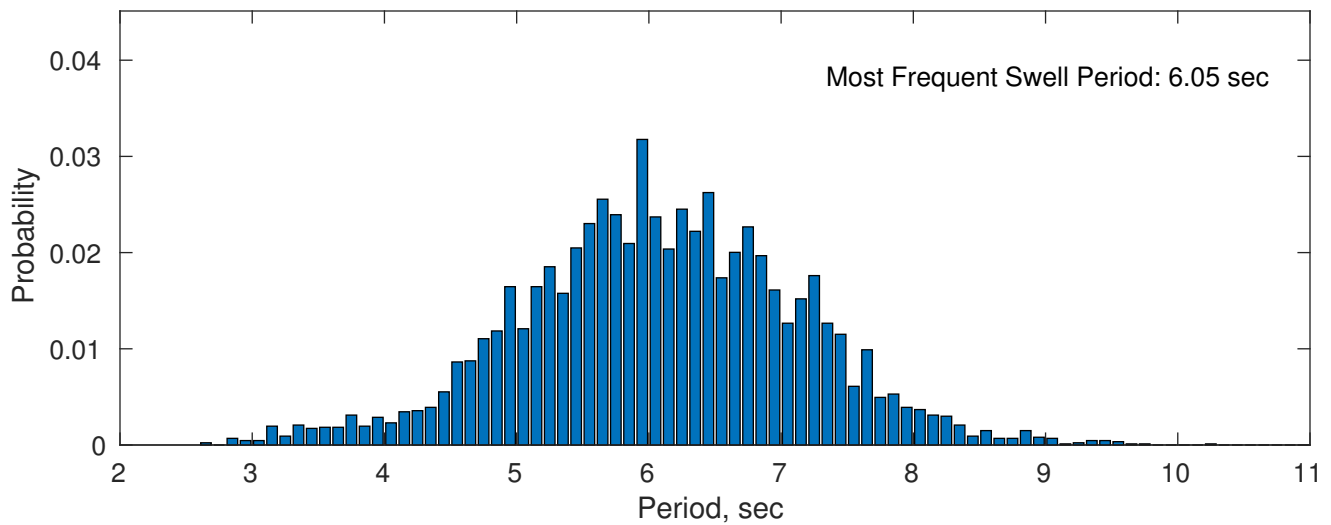
May Peak Wave Period PDF: 1979 - 2015



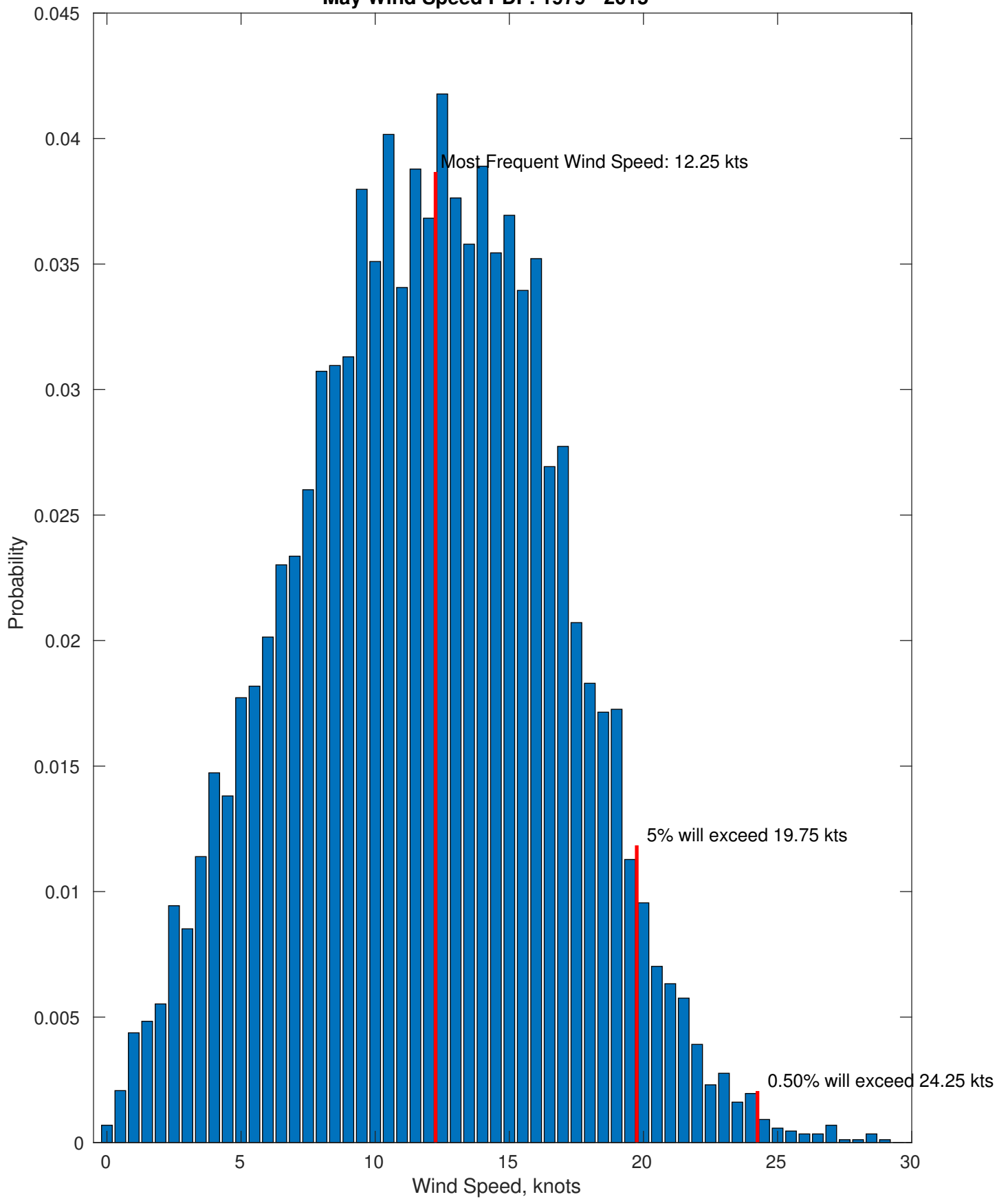
Wind-Sea: 36.25%



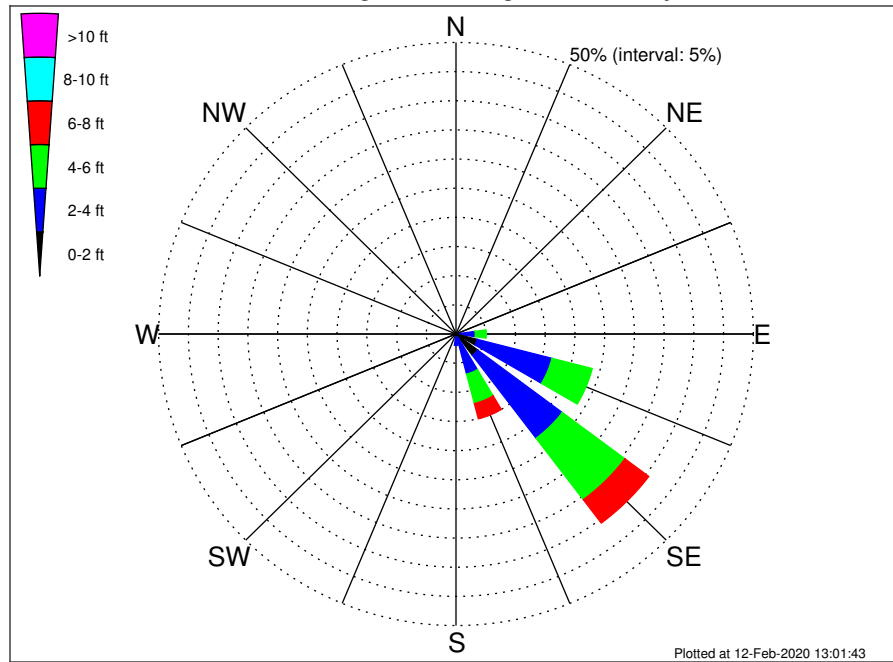
Swell: 63.75%



May Wind Speed PDF: 1979 - 2015



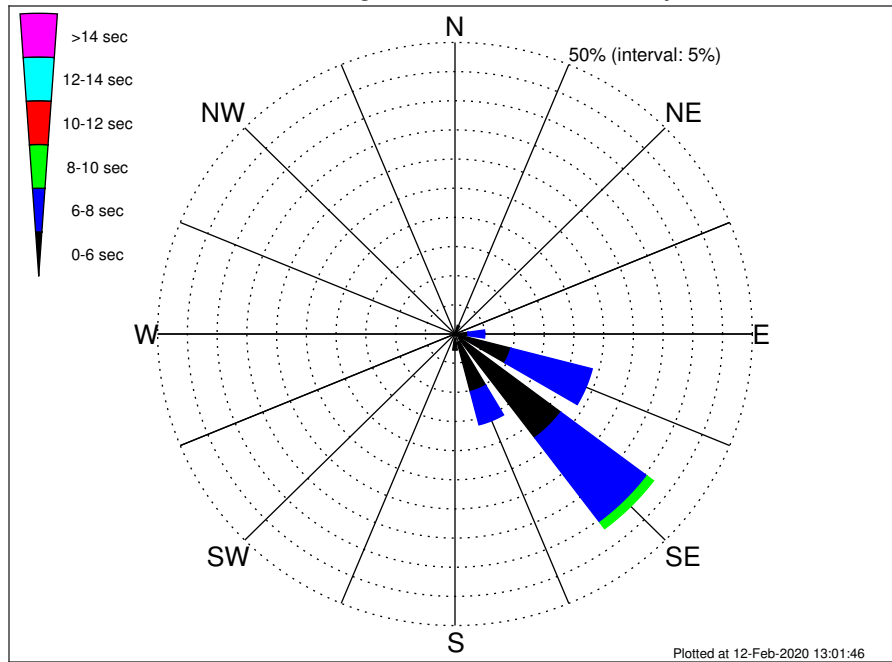
Flower Gardens NMS Climatological WaveHeight Rose for May: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	0.01	0.06	0.02	0.05	0.06	0.45	0.89	0.03	0.15	0.08	0.03	0.14	0.03	0.01	0.03	•	2.05
1 - 2 ft	0.12	0.10	0.16	0.15	0.68	3.27	3.69	0.75	0.39	0.35	0.26	0.17	0.18	0.06	0.03	0.05	10.42
2 - 4 ft	0.20	0.62	0.68	0.73	2.51	12.97	17.80	6.32	1.43	0.66	0.53	0.22	0.12	0.13	0.14	0.09	45.13
4 - 6 ft	0.37	0.54	0.31	0.45	1.85	6.97	13.19	5.22	0.68	0.14	0.06	•	•	•	0.05	0.10	29.93
6 - 8 ft	0.13	0.30	0.26	0.16	0.26	0.62	5.02	2.69	0.23	0.08	•	•	•	•	0.02	0.10	9.89
8 - 10 ft	0.03	0.03	0.02	0.02	0.05	0.07	1.12	1.02	•	•	•	•	•	•	•	•	2.37
10 - 12 ft	•	•	•	•	0.01	•	0.10	0.10	•	•	•	•	•	•	•	•	0.22
12 - 14 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14 - 16 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16 - 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.85	1.66	1.46	1.55	5.42	24.35	41.81	16.15	2.88	1.30	0.89	0.53	0.33	0.20	0.28	0.35	100.00

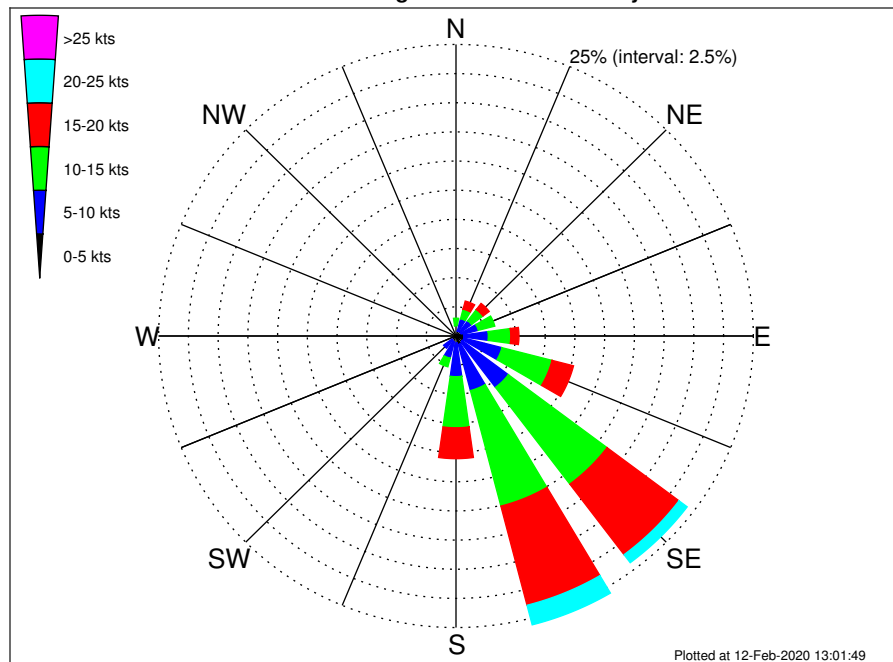
Flower Gardens NMS Climatological WavePeriod Rose for May: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1 - 2 sec	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2 - 4 sec	0.21	0.29	0.18	0.16	0.17	0.46	0.91	1.47	0.86	0.41	0.20	0.31	0.24	0.16	0.13	0.05	6.21
4 - 6 sec	0.61	1.25	1.12	1.16	2.01	9.24	21.39	8.74	1.91	0.79	0.62	0.22	0.09	0.03	0.15	0.28	49.63
6 - 8 sec	0.03	0.12	0.16	0.23	2.83	14.14	18.16	5.89	0.10	0.09	0.07	.	.	.	.	0.02	41.86
8 - 10 sec	.	.	.	.	0.40	0.51	1.34	0.05	.	.	.	.	.	.	.	.	2.29
10 - 12 sec	.	.	.	.	.	.	0.01	.	.	.	.	.	.	.	.	.	0.01
12 - 14 sec	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14 - 16 sec	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18 - 20 sec	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
22 - 24 sec	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	0.85	1.66	1.46	1.55	5.42	24.35	41.81	16.15	2.88	1.30	0.89	0.53	0.33	0.20	0.28	0.35	100.00

Flower Gardens NMS Climatological Wind Rose for May: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	0.01	0.02	0.05	0.01	•	•	0.05	0.03	0.02	•	0.02	0.01	0.01	0.01	0.02	•	0.28
0 - 5 kts	0.41	0.41	0.44	0.46	0.64	0.68	0.61	0.71	0.59	0.53	0.41	0.31	0.32	0.22	0.24	0.26	7.26
5 - 10 kts	0.46	1.09	1.15	1.46	2.07	3.31	4.86	4.09	2.88	1.44	0.87	0.55	0.37	0.33	0.49	0.51	25.94
10 - 15 kts	0.64	0.85	1.21	1.44	1.89	4.35	10.39	10.23	4.38	0.76	0.30	0.21	0.16	0.08	0.24	0.31	37.45
15 - 20 kts	0.54	0.71	0.66	0.56	0.69	1.86	7.57	8.78	2.65	0.29	0.01	•	0.01	0.03	0.08	0.09	24.55
20 - 25 kts	0.14	0.32	0.25	0.13	•	0.14	0.86	1.74	0.46	0.05	0.01	•	•	•	0.01	0.10	4.21
25 - 30 kts	0.02	0.05	•	•	•	•	0.03	0.13	0.07	•	•	•	•	•	•	0.01	0.31
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	2.23	3.46	3.75	4.06	5.29	10.35	24.38	25.71	11.05	3.06	1.63	1.08	0.87	0.68	1.09	1.29	100.00