

Flower Gardens NMS - June

Weather Days

Wave Height > 6.0 ft Mean: 1.7 days Range: 0.0 - 3.6 days

Wave Height > 7.0 ft Mean: 0.9 days Range: 0.0 - 2.3 days

Wave Height > 8.0 ft Mean: 0.5 days Range: 0.0 - 1.4 days

Working Window Probability

Wave Height < 6.0 ft 3 days or longer: 84%

5 days or longer: 70%

7 days or longer: 61%

Wave Height < 7.0 ft 3 days or longer: 81%

5 days or longer: 73%

7 days or longer: 71%

Wave Height < 8.0 ft 3 days or longer: 88%

5 days or longer: 82%

7 days or longer: 80%

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: 27% / 73%

Winds

Mean Speed: 10 - 15 kts

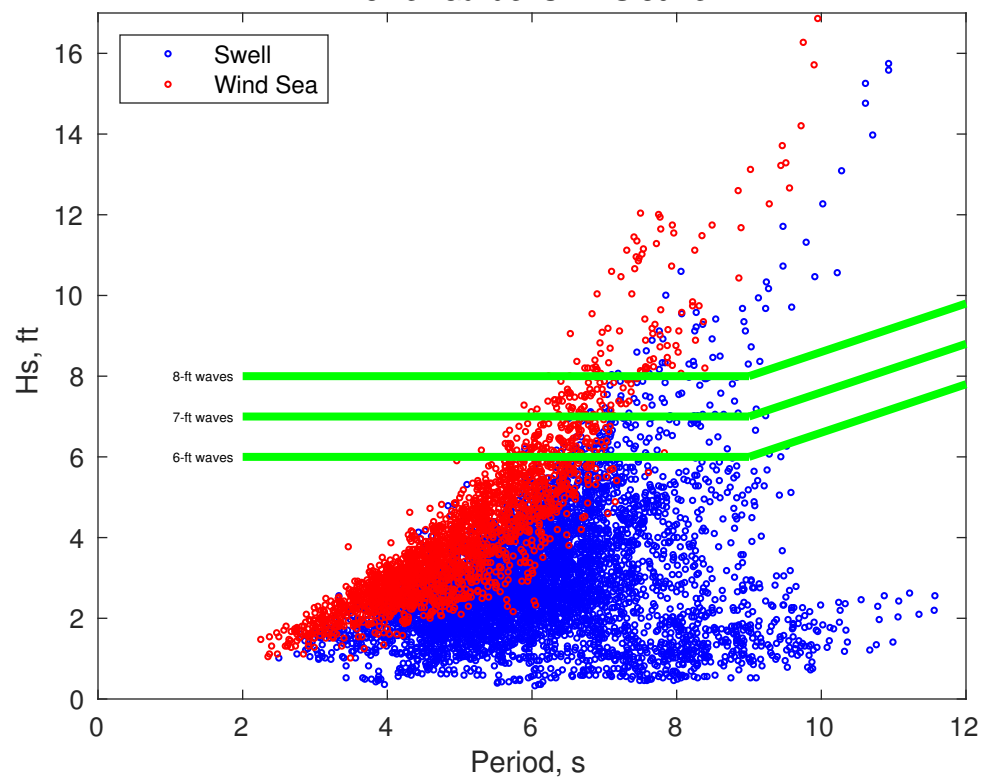
The winds will occasionally reach 20 - 25 kts, but rarely greater.

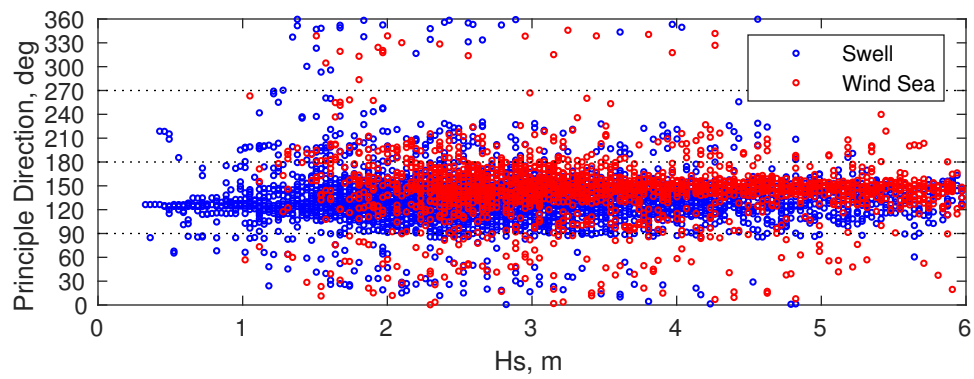
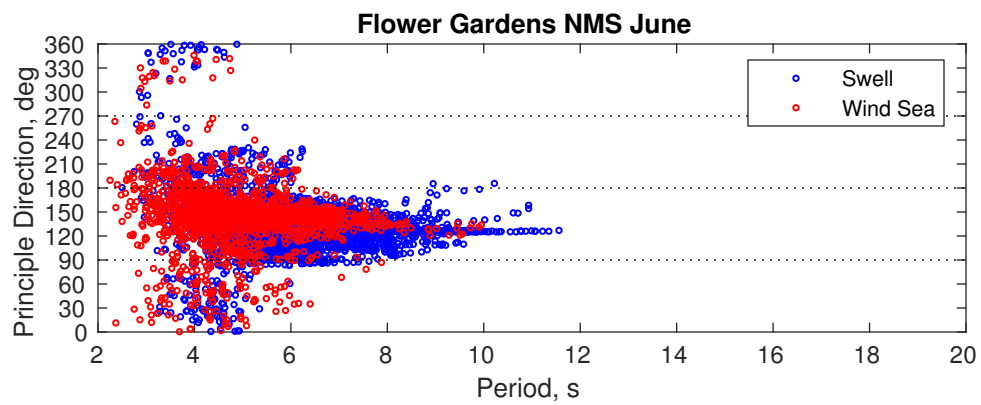
Principle Direction, from: SSE

Severe Storms

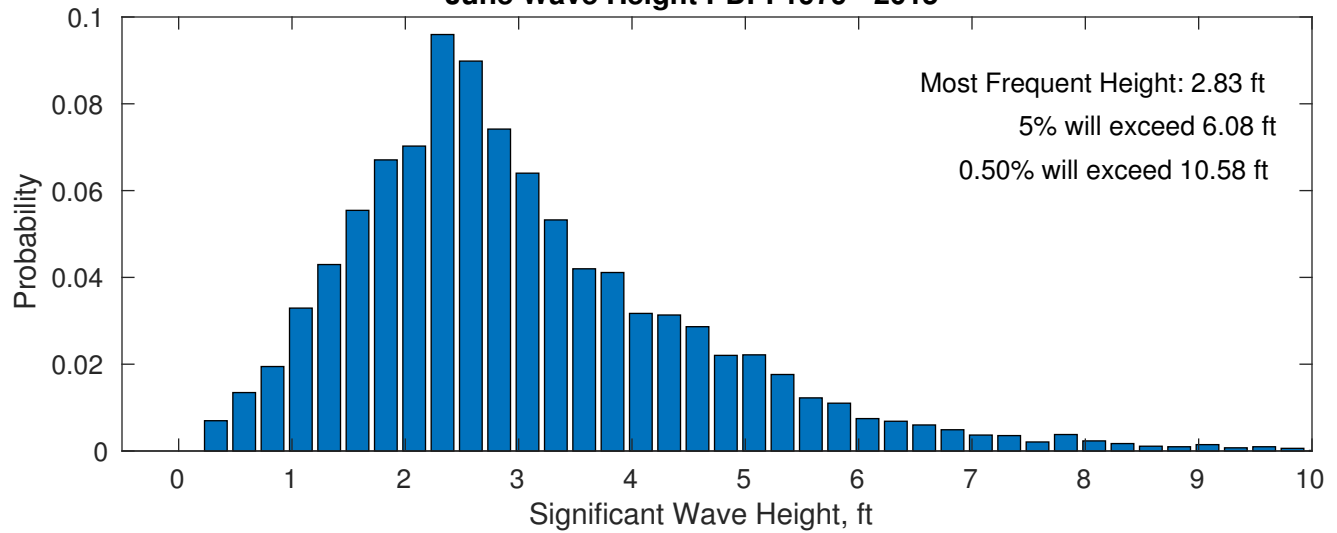
Severe storms with gale force winds and extreme waves are not expected.

Flower Gardens NMS June

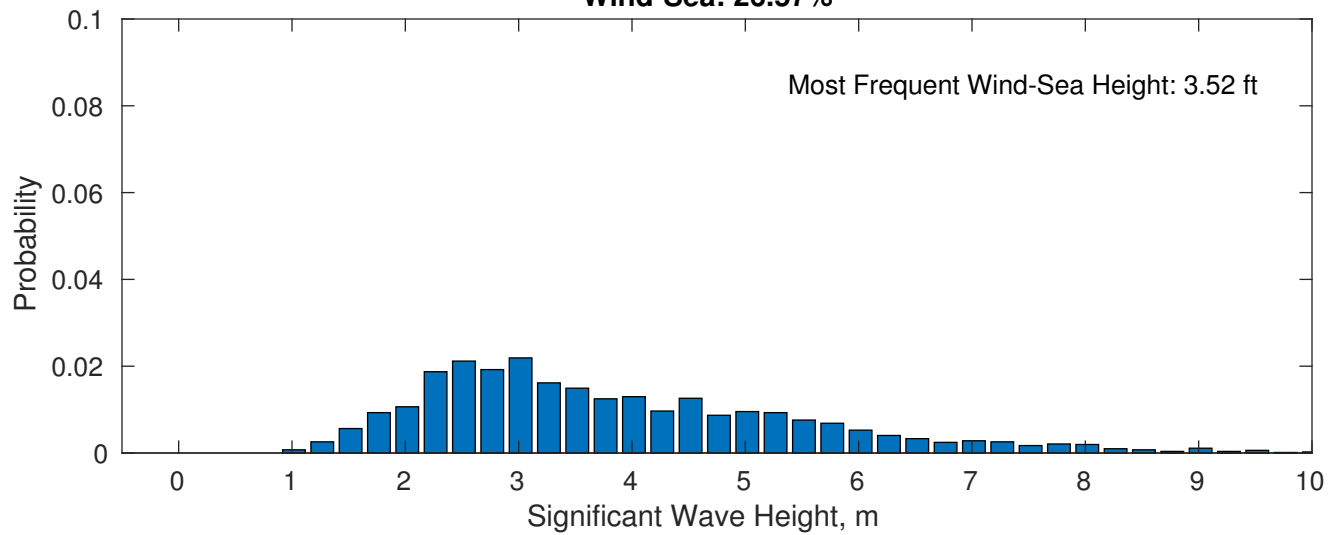




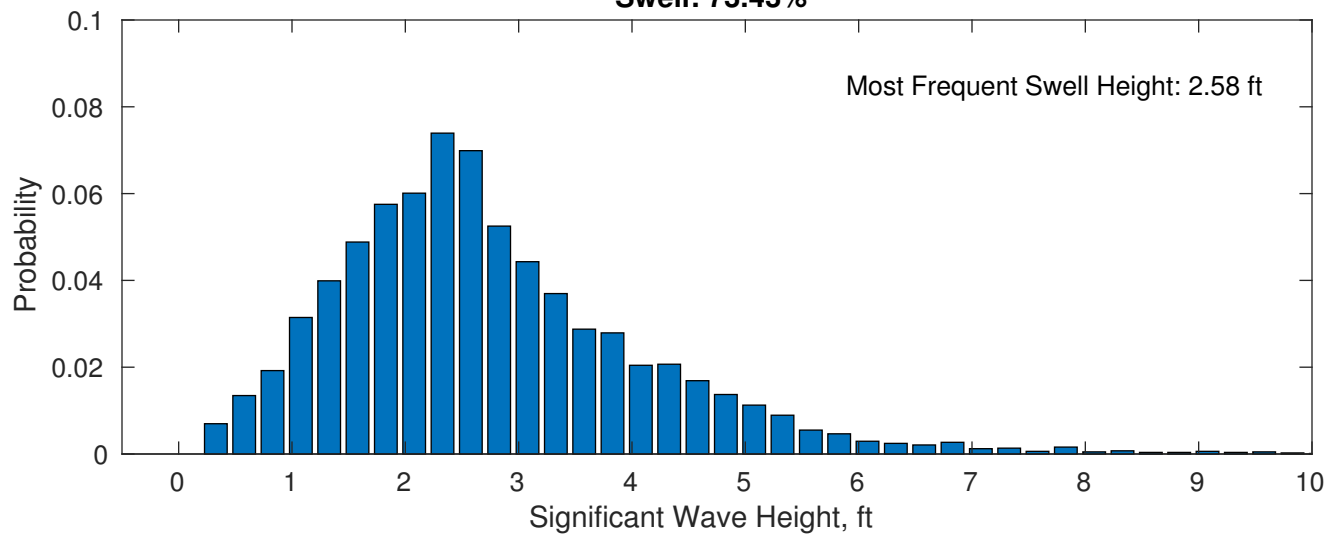
June Wave Height PDF: 1979 - 2015



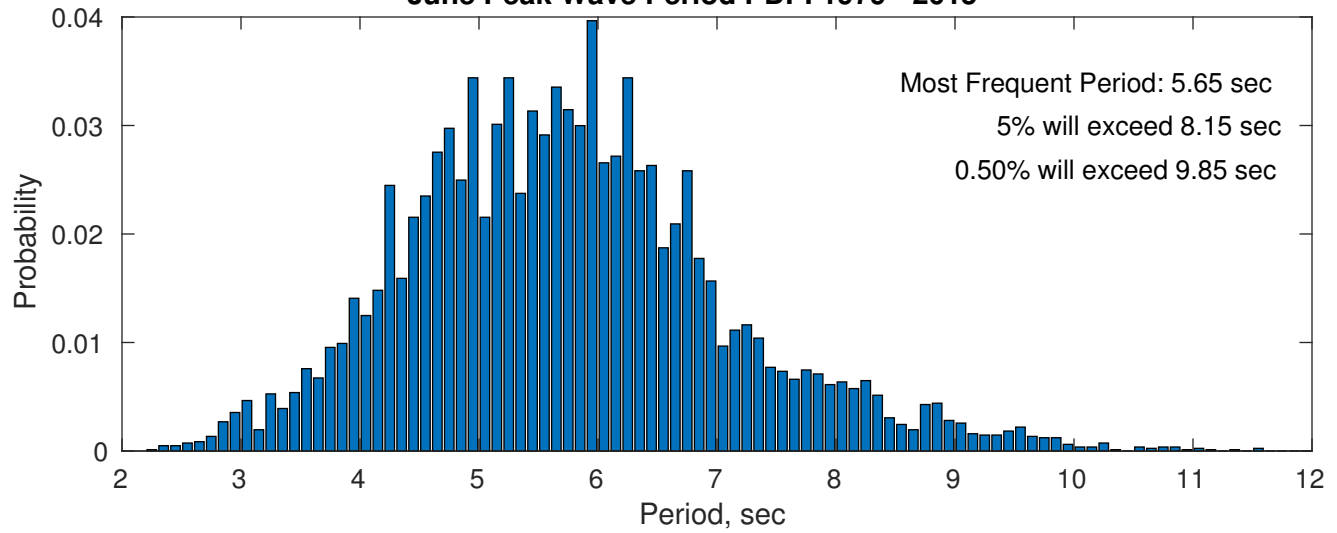
Wind-Sea: 26.57%



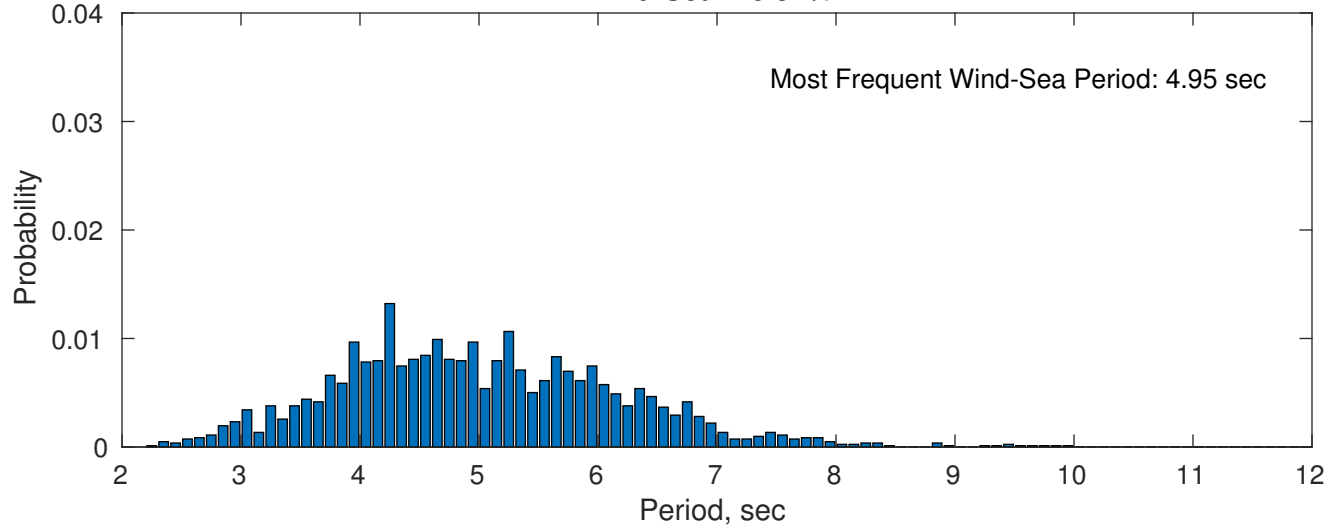
Swell: 73.43%



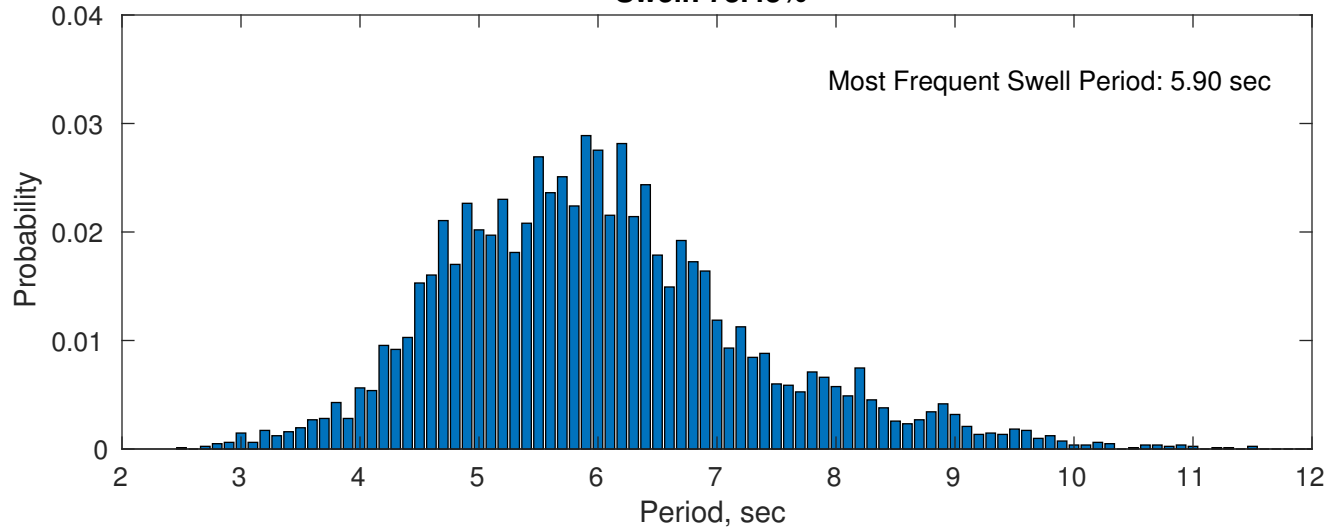
June Peak Wave Period PDF: 1979 - 2015



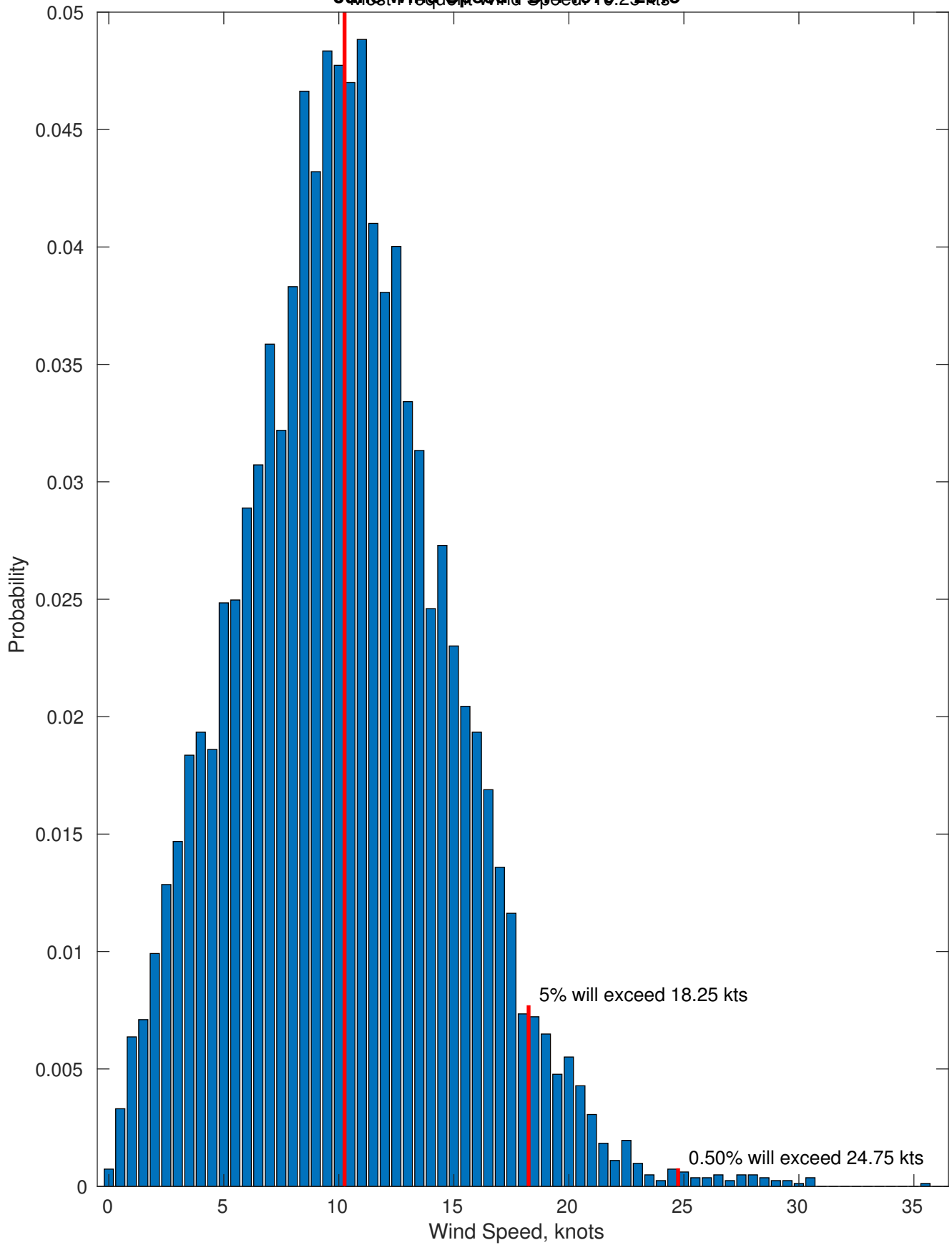
Wind-Sea: 26.57%



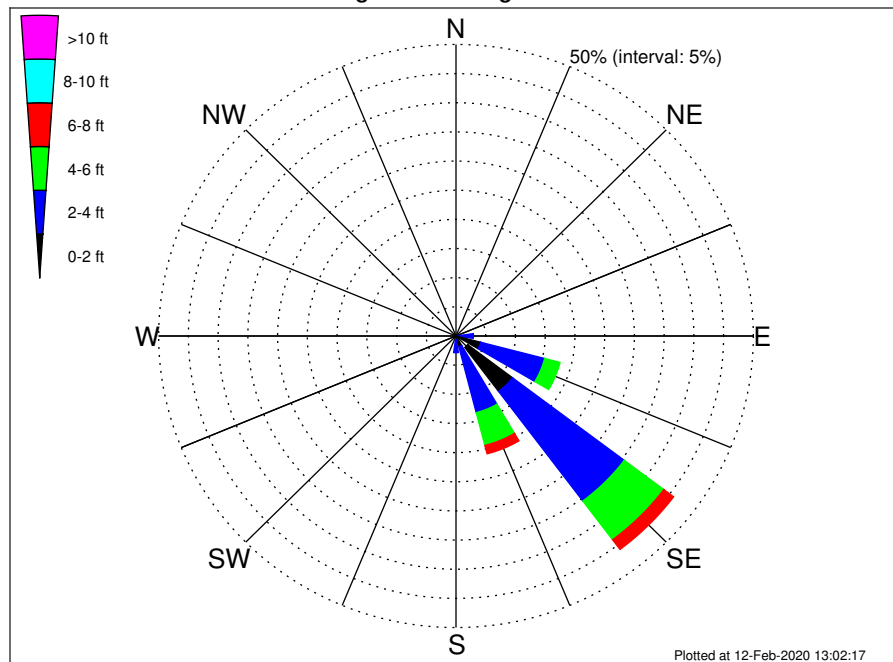
Swell: 73.43%



June Wind Speed PDF, 1979-2015



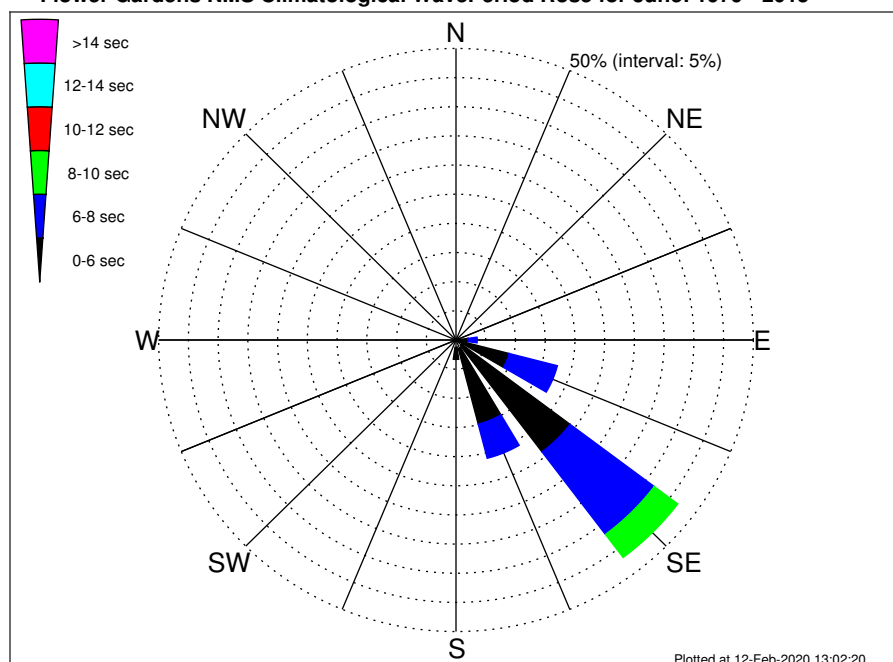
Flower Gardens NMS Climatological WaveHeight Rose for June: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	•	•	•	0.04	0.10	0.32	2.45	0.06	0.06	0.05	0.04	•	•	•	•	•	3.11
1 - 2 ft	0.07	0.20	0.15	0.23	0.35	3.98	9.45	1.82	0.66	0.70	0.06	0.20	0.07	0.05	0.09	0.06	18.14
2 - 4 ft	0.17	0.48	0.54	0.27	2.48	11.10	23.54	11.69	2.14	1.04	0.44	0.01	0.02	•	0.05	0.15	54.12
4 - 6 ft	0.10	0.09	0.12	0.11	0.65	2.68	8.32	5.81	0.45	0.34	0.15	0.02	•	•	•	0.02	18.87
6 - 8 ft	•	0.02	0.05	0.02	0.11	0.15	2.07	1.48	0.07	0.05	•	•	•	•	•	•	4.03
8 - 10 ft	•	•	•	0.02	0.02	0.02	0.77	0.16	0.07	•	•	•	•	•	•	•	1.08
10 - 12 ft	•	•	•	•	•	0.01	0.31	0.06	0.02	•	•	•	•	•	•	•	0.40
12 - 14 ft	•	•	•	•	•	0.04	0.07	0.04	•	•	•	•	•	•	•	•	0.15
14 - 16 ft	•	•	•	•	•	•	0.02	0.05	•	•	•	•	•	•	•	•	0.07
16 - 18 ft	•	•	•	•	•	•	0.02	•	•	•	•	•	•	•	•	•	0.02
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.34	0.78	0.86	0.70	3.72	18.30	47.03	21.18	3.49	2.18	0.69	0.23	0.10	0.05	0.13	0.23	100.00

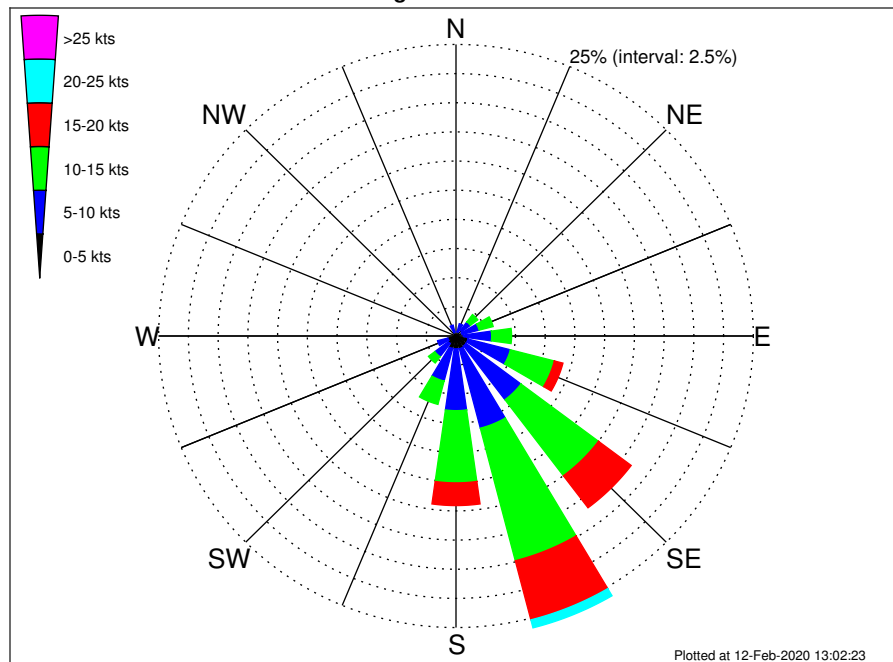
Flower Gardens NMS Climatological WavePeriod Rose for June: 1979 - 2015



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	0.12	0.28	0.21	0.24	0.22	0.45	1.19	1.53	1.25	0.98	0.18	0.20	0.07	0.05	0.12	0.13	7.23
4 - 6 sec	0.22	0.50	0.61	0.43	1.81	8.79	22.84	13.37	2.08	1.13	0.47	0.04	0.02	.	0.01	0.10	52.41
6 - 8 sec	.	.	0.04	0.02	1.54	8.37	17.72	6.06	0.07	0.07	0.04	.	.	.	.	.	33.94
8 - 10 sec	.	.	.	.	0.15	0.69	4.94	0.16	0.07	.	.	.	.	.	.	.	6.01
10 - 12 sec	.	.	.	.	.	.	0.33	0.06	0.01	.	.	.	.	.	.	.	0.40
12 - 14 sec	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14 - 16 sec	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18 - 20 sec	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
22 - 24 sec	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	0.34	0.78	0.86	0.70	3.72	18.30	47.03	21.18	3.49	2.18	0.69	0.23	0.10	0.05	0.13	0.23	100.00

Flower Gardens NMS Climatological Wind Rose for June: 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	0.07	0.05	0.02	0.01	0.01	0.04	0.06	•	0.05	•	0.04	0.02	•	•	0.01	0.40
0 - 5 kts	0.38	0.31	0.56	0.50	0.61	1.03	1.02	1.06	1.10	1.05	0.81	0.67	0.49	0.49	0.32	0.32	10.72
5 - 10 kts	0.58	0.71	0.91	1.48	2.37	3.68	5.79	7.04	5.30	2.89	1.42	0.89	0.61	0.50	0.59	0.64	35.40
10 - 15 kts	0.37	0.33	0.78	1.22	1.68	3.82	8.16	11.74	6.19	2.07	0.67	0.22	0.13	0.10	0.17	0.27	37.93
15 - 20 kts	0.11	0.10	0.17	0.13	0.44	0.75	3.44	5.24	1.95	0.50	0.15	0.04	•	•	•	0.06	13.07
20 - 25 kts	•	0.06	0.01	0.02	0.16	0.13	0.49	0.71	0.26	0.13	0.02	0.01	•	•	•	•	2.02
25 - 30 kts	•	0.01	•	0.01	0.06	0.02	0.13	0.12	0.02	•	•	•	•	•	•	•	0.39
30 - 35 kts	•	•	•	•	•	•	0.02	0.02	•	•	•	•	•	•	•	•	0.05
35 - 40 kts	•	•	•	•	•	•	0.01	•	•	•	•	•	•	•	•	•	0.01
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	1.44	1.59	2.48	3.40	5.34	9.45	19.11	26.00	14.82	6.70	3.07	1.87	1.26	1.09	1.08	1.30	100.00