

## Long Island Wind - July

Latitude: 40.90 N Longitude: 71.00 W

### Weather Days

Wave Height > 6.0 ft Mean: 2.6 days Range: 0.8 - 4.5 days p50:2.5 days p75:1.5 days p90:0.5 days

Wave Height > 7.0 ft Mean: 1.2 days Range: 0.1 - 2.4 days p50:1.5 days p75:1 days p90:0.5 days

Wave Height > 8.0 ft Mean: 0.7 days Range: 0.0 - 1.5 days p50:2.5 days p75:1 days p90:0.5 days

Wind Speed > 15.0 knots Mean: 8.0 days Range: 6.1 - 9.9 days p50:8 days p75:7.5 days p90:6 days

Wind Speed > 20.0 knots Mean: 1.9 days Range: 0.8 - 3.0 days p50:2 days p75:1.5 days p90:1 days

Wind Speed > 25.0 knots Mean: 0.3 days Range: 0.0 - 0.6 days p50:0.5 days p75:0.5 days p90:0.5 days

### Working Window

Wave Height < 6.0 ft  
A 1 day or longer window will statistically occur 3.1 times per month  
A 2 day or longer window will statistically occur 2.6 times per month  
A 3 day or longer window will statistically occur 2.3 times per month

Wave Height < 7.0 ft  
A 1 day or longer window will statistically occur 2.0 times per month  
A 2 day or longer window will statistically occur 1.8 times per month  
A 3 day or longer window will statistically occur 1.7 times per month

Wave Height < 8.0 ft  
A 1 day or longer window will statistically occur 1.5 times per month  
A 2 day or longer window will statistically occur 1.4 times per month  
A 3 day or longer window will statistically occur 1.4 times per month

### Waves

Mean Height: 2 - 4 ft

The wave heights will occasionally reach 10 - 12 ft, but rarely higher.

Mean Period: 6 - 8 sec

The wave periods will occasionally reach 12 - 14 sec, but rarely longer.

Principle Direction, from: SSW

WindSea/Swell: 22% / 78%

### Winds

Mean Speed: 10 - 15 kts

The winds will occasionally reach 25 - 30 kts, but rarely greater.

Principle Direction, from: SW

### Currents

Mean Speed: 0.25-0.50 kts

The currents will occasionally reach 1.00-1.25 kts, but rarely greater.

Principle Direction, to: E

### Weather Days

Current Speed > 1.0 knots Mean: 0.3 days Range: 0.0 - 1.1 days p50:1 days p75:1 days p90:1 days

Current Speed > 1.5 knots Mean: 0.0 days Range: 0.0 - 0.0 days p50:1 days p75:1 days p90:1 days

Current Speed > 2.0 knots Mean: 0.0 days Range: 0.0 - 0.0 days p50:1 days p75:1 days p90:1 days

### Severe Storms

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