

## Long Island Wind - September

Latitude: 40.90 N Longitude: 71.00 W

### Weather Days

Wave Height > 6.0 ft Mean: 3.7 days Range: 1.1 - 6.4 days p50:4.5 days p75:3 days p90:1.5 days

Wave Height > 7.0 ft Mean: 2.0 days Range: 0.3 - 3.7 days p50:2.5 days p75:2 days p90:0.5 days

Wave Height > 8.0 ft Mean: 1.2 days Range: 0.1 - 2.2 days p50:2 days p75:1.5 days p90:1 days

Wind Speed > 15.0 knots Mean: 10.5 days Range: 8.7 - 12.4 days p50:10.5 days p75:9.5 days p90:9 days

Wind Speed > 20.0 knots Mean: 3.9 days Range: 2.7 - 5.0 days p50:4 days p75:3.5 days p90:2.5 days

Wind Speed > 25.0 knots Mean: 1.0 days Range: 0.3 - 1.7 days p50:1.5 days p75:1 days p90:0.5 days

### Working Window

Wave Height < 6.0 ft  
A 1 day or longer window will statistically occur 3.5 times per month  
A 2 day or longer window will statistically occur 3.0 times per month  
A 3 day or longer window will statistically occur 2.5 times per month

Wave Height < 7.0 ft  
A 1 day or longer window will statistically occur 2.9 times per month  
A 2 day or longer window will statistically occur 2.4 times per month  
A 3 day or longer window will statistically occur 2.1 times per month

Wave Height < 8.0 ft  
A 1 day or longer window will statistically occur 2.1 times per month  
A 2 day or longer window will statistically occur 1.9 times per month  
A 3 day or longer window will statistically occur 1.7 times per month

### Waves

Mean Height: 2 - 4 ft

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

Mean Period: 8 - 10 sec

The wave periods will occasionally reach 14 - 16 sec, but rarely longer.

Principle Direction, from: SE

WindSea/Swell: 24% / 76%

### Winds

Mean Speed: 10 - 15 kts

The winds will occasionally reach 30 - 35 kts, but rarely greater.

Principle Direction, from: WSW

### 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: 0.2 days Range: 0.0 - 0.7 days p50:1 days p75:1 days p90:1 days

Current Speed > 1.5 knots Mean: 0.1 days Range: 0.0 - 0.3 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

There is a 11 % chance of a storm occurring in the month with winds peaking above 34 kts.

There is a 11 % chance of a storm occurring in the month with waves exceeding 3 m (10 ft) above the mean wave height.