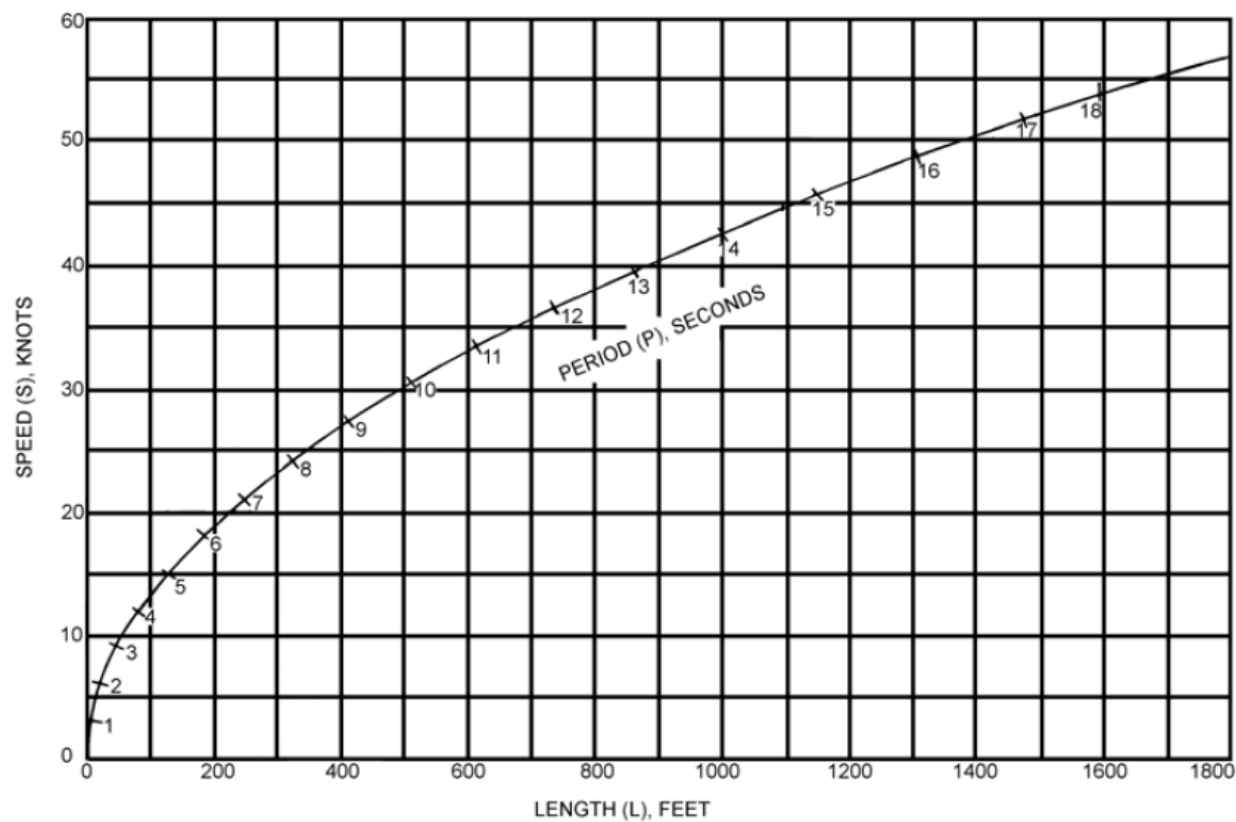


Support Chart 2A - Determining the wave height:

| Fetch | BEAUFORT NUMBER |     |     |      |     |     |      |     |     |      |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Fetch |
|-------|-----------------|-----|-----|------|-----|-----|------|-----|-----|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|       | 3               |     |     | 4    |     |     | 5    |     |     | 6    |      |     | 7    |      |      | 8    |      |      | 9    |      |      | 10   |      |      | 11   |      |      |       |
|       | T               | H   | P   | T    | H   | P   | T    | H   | P   | T    | H    | P   | T    | H    | P    | T    | H    | P    | T    | H    | P    | T    | H    | P    | T    | H    | P    |       |
| 10    | 4.4             | 1.8 | 2.1 | 3.7  | 2.6 | 2.4 | 3.2  | 3.5 | 2.8 | 2.7  | 5.0  | 3.1 | 2.5  | 6.0  | 3.4  | 2.3  | 7.3  | 3.9  | 2.0  | 8.0  | 4.1  | 1.9  | 10.0 | 4.2  | 1.8  | 10.0 | 5.0  | 10    |
| 20    | 7.1             | 2.0 | 2.5 | 6.2  | 3.2 | 2.9 | 5.4  | 4.9 | 3.3 | 4.7  | 7.0  | 3.8 | 4.2  | 8.6  | 4.3  | 3.9  | 10.0 | 4.4  | 3.5  | 12.0 | 5.0  | 3.2  | 14.0 | 5.2  | 3.0  | 16.0 | 5.9  | 20    |
| 30    | 9.8             | 2.0 | 2.8 | 8.3  | 3.8 | 3.3 | 7.2  | 5.8 | 3.7 | 6.2  | 8.0  | 4.2 | 5.8  | 10.0 | 4.6  | 5.2  | 12.1 | 5.0  | 4.7  | 15.8 | 5.5  | 4.4  | 18.0 | 6.0  | 4.1  | 19.8 | 6.3  | 30    |
| 40    | 12.0            | 2.0 | 3.0 | 10.3 | 3.9 | 3.6 | 8.9  | 6.2 | 4.1 | 7.8  | 9.0  | 4.6 | 7.1  | 11.2 | 4.9  | 6.5  | 14.0 | 5.4  | 5.8  | 17.7 | 5.9  | 5.4  | 21.0 | 6.3  | 5.1  | 22.5 | 6.7  | 40    |
| 50    | 14.0            | 2.0 | 3.2 | 12.4 | 4.0 | 3.8 | 11.0 | 6.5 | 4.4 | 9.1  | 9.8  | 4.8 | 8.4  | 12.2 | 5.2  | 7.7  | 15.7 | 5.6  | 6.9  | 19.8 | 6.3  | 6.4  | 23.0 | 6.7  | 6.1  | 25.0 | 7.1  | 50    |
| 60    | 16.0            | 2.0 | 3.5 | 14.0 | 4.0 | 4.0 | 12.0 | 6.8 | 4.6 | 10.2 | 10.3 | 5.1 | 9.6  | 13.2 | 5.5  | 8.7  | 17.0 | 6.0  | 8.0  | 21.0 | 6.5  | 7.4  | 25.0 | 7.0  | 7.0  | 27.5 | 7.5  | 60    |
| 70    | 18.0            | 2.0 | 3.7 | 15.8 | 4.0 | 4.1 | 13.5 | 7.0 | 4.8 | 11.9 | 10.8 | 5.4 | 10.5 | 13.9 | 5.7  | 9.9  | 18.0 | 6.4  | 9.0  | 22.5 | 6.8  | 8.3  | 26.5 | 7.3  | 7.8  | 29.5 | 7.7  | 70    |
| 80    | 20.0            | 2.0 | 3.8 | 17.0 | 4.0 | 4.2 | 15.0 | 7.2 | 4.9 | 13.0 | 11.0 | 5.6 | 12.0 | 14.5 | 6.0  | 11.0 | 18.9 | 6.6  | 10.0 | 24.0 | 7.1  | 9.3  | 28.0 | 7.7  | 8.6  | 31.5 | 7.9  | 80    |
| 90    | 23.6            | 2.0 | 3.9 | 18.8 | 4.0 | 4.3 | 16.5 | 7.3 | 5.1 | 14.1 | 11.2 | 5.8 | 13.0 | 15.0 | 6.3  | 12.0 | 20.0 | 6.7  | 11.0 | 25.0 | 7.2  | 10.2 | 30.0 | 7.9  | 9.5  | 34.0 | 8.2  | 90    |
| 100   | 27.1            | 2.0 | 4.0 | 20.0 | 4.0 | 4.4 | 17.5 | 7.3 | 5.3 | 15.1 | 11.4 | 6.0 | 14.0 | 15.5 | 6.5  | 12.8 | 20.5 | 6.9  | 11.9 | 26.5 | 7.6  | 11.0 | 32.0 | 8.1  | 10.3 | 35.0 | 8.5  | 100   |
| 120   | 31.1            | 2.0 | 4.2 | 22.4 | 4.1 | 4.7 | 20.0 | 7.8 | 5.4 | 17.0 | 11.7 | 6.2 | 15.9 | 16.0 | 6.7  | 14.5 | 21.5 | 7.3  | 13.1 | 27.5 | 7.9  | 12.3 | 33.5 | 8.4  | 11.5 | 37.5 | 8.8  | 120   |
| 140   | 36.6            | 2.0 | 4.5 | 25.8 | 4.2 | 4.9 | 22.5 | 7.9 | 5.8 | 19.1 | 11.9 | 6.4 | 17.6 | 16.2 | 7.0  | 16.0 | 22.0 | 7.6  | 14.8 | 29.0 | 8.3  | 13.9 | 35.5 | 8.8  | 13.0 | 40.0 | 9.2  | 140   |
| 160   | 43.2            | 2.0 | 4.9 | 28.4 | 4.2 | 5.2 | 24.3 | 7.9 | 6.0 | 21.1 | 12.0 | 6.6 | 19.5 | 16.5 | 7.3  | 18.0 | 23.0 | 8.0  | 16.4 | 30.5 | 8.7  | 15.1 | 37.0 | 9.1  | 14.5 | 42.5 | 9.6  | 160   |
| 180   | 50.0            | 2.0 | 4.9 | 30.9 | 4.3 | 5.4 | 27.0 | 8.0 | 6.2 | 23.1 | 12.1 | 6.8 | 21.3 | 17.0 | 7.5  | 19.9 | 23.5 | 8.3  | 18.0 | 31.5 | 9.0  | 16.5 | 38.5 | 9.5  | 16.0 | 44.5 | 10.0 | 180   |
| 200   |                 |     |     | 33.5 | 4.3 | 5.6 | 29.0 | 8.0 | 6.4 | 25.4 | 12.2 | 7.1 | 23.1 | 17.5 | 7.7  | 21.5 | 23.5 | 8.5  | 19.3 | 32.5 | 9.2  | 18.1 | 40.0 | 9.8  | 17.1 | 46.0 | 10.3 | 200   |
| 220   |                 |     |     | 36.5 | 4.4 | 5.8 | 31.1 | 8.0 | 6.6 | 27.2 | 12.3 | 7.2 | 25.0 | 17.9 | 8.0  | 22.9 | 24.0 | 8.8  | 20.9 | 34.0 | 9.6  | 19.1 | 41.5 | 10.1 | 18.2 | 47.5 | 10.6 | 220   |
| 240   |                 |     |     | 39.2 | 4.4 | 5.9 | 33.1 | 8.0 | 6.8 | 29.0 | 12.4 | 7.3 | 26.8 | 17.9 | 8.2  | 24.4 | 24.5 | 9.0  | 22.0 | 34.5 | 9.8  | 20.5 | 43.0 | 10.3 | 19.5 | 49.0 | 10.8 | 240   |
| 260   |                 |     |     | 41.9 | 4.4 | 6.0 | 34.9 | 8.0 | 6.9 | 30.5 | 12.6 | 7.5 | 28.0 | 18.0 | 8.4  | 26.0 | 25.0 | 9.2  | 23.5 | 34.5 | 10.0 | 21.8 | 44.0 | 10.6 | 20.9 | 50.5 | 11.1 | 260   |
| 280   |                 |     |     | 44.5 | 4.4 | 6.2 | 36.8 | 8.0 | 7.0 | 32.4 | 12.9 | 7.8 | 29.5 | 18.0 | 8.5  | 27.7 | 25.0 | 9.4  | 25.0 | 35.0 | 10.2 | 23.0 | 45.0 | 10.9 | 22.0 | 51.5 | 11.3 | 280   |
| 300   |                 |     |     | 47.0 | 4.4 | 6.3 | 38.5 | 8.0 | 7.1 | 34.1 | 13.1 | 8.0 | 31.5 | 18.0 | 8.7  | 29.0 | 25.0 | 9.5  | 26.3 | 35.0 | 10.4 | 24.3 | 45.0 | 11.1 | 23.2 | 53.0 | 11.6 | 300   |
| 320   |                 |     |     |      |     |     | 40.5 | 8.0 | 7.2 | 36.0 | 13.3 | 8.2 | 33.0 | 18.0 | 8.9  | 30.2 | 25.0 | 9.6  | 27.6 | 35.5 | 10.6 | 25.5 | 45.5 | 11.2 | 24.5 | 54.0 | 11.8 | 320   |
| 340   |                 |     |     |      |     |     | 42.4 | 8.0 | 7.3 | 37.6 | 13.4 | 8.3 | 34.2 | 18.0 | 9.0  | 31.6 | 25.0 | 9.8  | 29.0 | 36.0 | 10.8 | 26.7 | 46.0 | 11.4 | 25.5 | 55.0 | 12.0 | 340   |
| 360   |                 |     |     |      |     |     | 44.2 | 8.0 | 7.4 | 38.8 | 13.4 | 8.4 | 35.7 | 18.1 | 9.1  | 33.0 | 25.0 | 9.9  | 30.0 | 36.5 | 10.9 | 27.7 | 46.5 | 11.6 | 26.6 | 55.0 | 12.2 | 360   |
| 380   |                 |     |     |      |     |     | 46.1 | 8.0 | 7.5 | 40.2 | 13.5 | 8.5 | 37.1 | 18.2 | 9.3  | 34.2 | 25.5 | 10.0 | 31.3 | 37.0 | 11.1 | 29.1 | 47.0 | 11.8 | 27.7 | 55.5 | 12.4 | 380   |
| 400   |                 |     |     |      |     |     | 48.0 | 8.0 | 7.7 | 42.2 | 13.5 | 8.6 | 38.8 | 18.4 | 9.5  | 35.6 | 26.0 | 10.2 | 32.5 | 37.0 | 11.2 | 30.2 | 47.5 | 12.0 | 28.9 | 56.0 | 12.6 | 400   |
| 420   |                 |     |     |      |     |     | 50.0 | 8.0 | 7.8 | 43.5 | 13.6 | 8.7 | 40.0 | 18.7 | 9.6  | 36.9 | 26.5 | 10.3 | 33.7 | 37.5 | 11.4 | 31.5 | 47.5 | 12.2 | 29.6 | 56.5 | 12.7 | 420   |
| 440   |                 |     |     |      |     |     | 52.0 | 8.0 | 7.9 | 44.7 | 13.7 | 8.8 | 41.3 | 18.8 | 9.7  | 38.1 | 27.0 | 10.4 | 34.8 | 37.5 | 11.5 | 32.5 | 48.0 | 12.3 | 30.9 | 57.0 | 12.9 | 440   |
| 460   |                 |     |     |      |     |     | 54.0 | 8.0 | 8.0 | 46.2 | 13.7 | 8.9 | 42.8 | 19.0 | 9.8  | 39.5 | 27.5 | 10.6 | 36.0 | 37.5 | 11.7 | 33.5 | 48.5 | 12.5 | 31.8 | 57.5 | 13.1 | 460   |
| 480   |                 |     |     |      |     |     | 56.0 | 8.0 | 8.1 | 47.8 | 13.7 | 9.0 | 44.0 | 19.0 | 9.9  | 41.0 | 27.5 | 10.8 | 37.0 | 37.5 | 11.8 | 34.5 | 49.0 | 12.6 | 32.7 | 57.5 | 13.2 | 480   |
| 500   |                 |     |     |      |     |     | 58.0 | 8.0 | 8.2 | 49.2 | 13.8 | 9.1 | 45.5 | 19.1 | 10.1 | 42.1 | 27.5 | 10.9 | 38.3 | 38.0 | 11.9 | 35.5 | 49.0 | 12.7 | 33.9 | 58.0 | 13.4 | 500   |
| 550   |                 |     |     |      |     |     |      |     |     | 53.0 | 13.8 | 9.3 | 48.5 | 19.5 | 10.3 | 44.9 | 27.5 | 11.1 | 41.0 | 38.5 | 12.2 | 38.2 | 50.0 | 13.0 | 36.5 | 59.0 | 13.7 | 550   |
| 600   |                 |     |     |      |     |     |      |     |     | 56.3 | 13.8 | 9.5 | 51.8 | 19.7 | 10.5 | 47.7 | 27.5 | 11.3 | 43.6 | 39.0 | 12.5 | 40.3 | 50.0 | 13.3 | 38.7 | 60.0 | 14.0 | 600   |
| 650   |                 |     |     |      |     |     |      |     |     |      |      |     | 55.0 | 19.8 | 10.7 | 50.3 | 27.5 | 11.6 | 46.4 | 39.5 | 12.8 | 43.0 | 50.0 | 13.7 | 41.0 | 60.0 | 14.2 | 650   |
| 700   |                 |     |     |      |     |     |      |     |     |      |      |     | 58.5 | 19.8 | 11.0 |      |      | 53.2 | 27.5 | 11.8 | 49.0 | 40.0 | 13.1 | 45.4 | 50.5 | 60.5 | 14.5 | 700   |
| 750   |                 |     |     |      |     |     |      |     |     |      |      |     |      |      |      | 56.2 | 27.5 | 12.1 | 51.0 | 40.0 | 13.3 | 48.0 | 51.0 | 14.2 | 45.8 | 61.0 | 14.8 | 750   |
| 800   |                 |     |     |      |     |     |      |     |     |      |      |     |      |      |      | 59.2 | 27.5 | 12.3 | 53.8 | 40.0 | 13.5 | 50.6 | 51.5 | 14.5 | 47.8 | 61.5 | 15.0 | 800   |
| 850   |                 |     |     |      |     |     |      |     |     |      |      |     |      |      |      |      |      |      | 52.5 | 52.0 | 13.8 | 52.5 | 52.0 | 14.6 | 50.0 | 62.0 | 15.2 | 850   |
| 900   |                 |     |     |      |     |     |      |     |     |      |      |     |      |      |      |      |      |      | 58.2 | 40.0 | 14.0 | 54.6 | 52.0 | 14.9 | 52.0 | 62.5 | 15.5 | 900   |
| 950   |                 |     |     |      |     |     |      |     |     |      |      |     |      |      |      |      |      |      |      |      |      | 57.2 | 52.0 | 15.1 | 54.0 | 63.0 | 15.7 | 950   |
| 1000  |                 |     |     |      |     |     |      |     |     |      |      |     |      |      |      |      |      |      |      |      |      | 59.3 | 52.0 | 15.3 | 56.3 | 63.0 | 16.0 | 1000  |

Table 3202. Minimum Time (T) in hours that wind must blow to form waves of H significant height (in feet) and P period (in seconds). Fetch in nautical miles.

**Support Chart 2B - Determining the wave front speed:**



The tables are taken from „N. Bowditch, *The American Practical Navigator*, Scholarly Pr., 1995 Edition”.