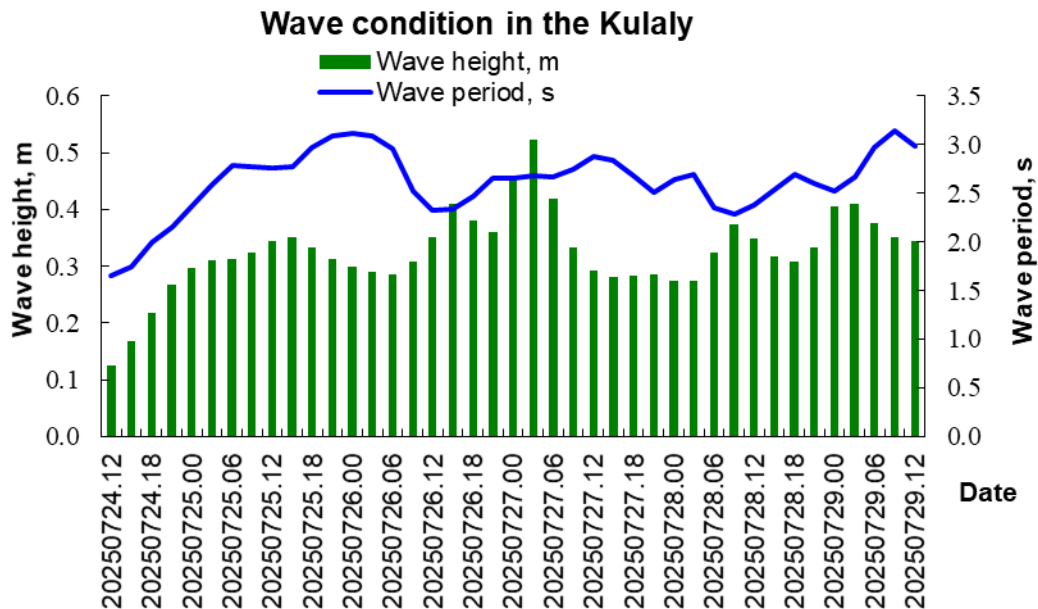
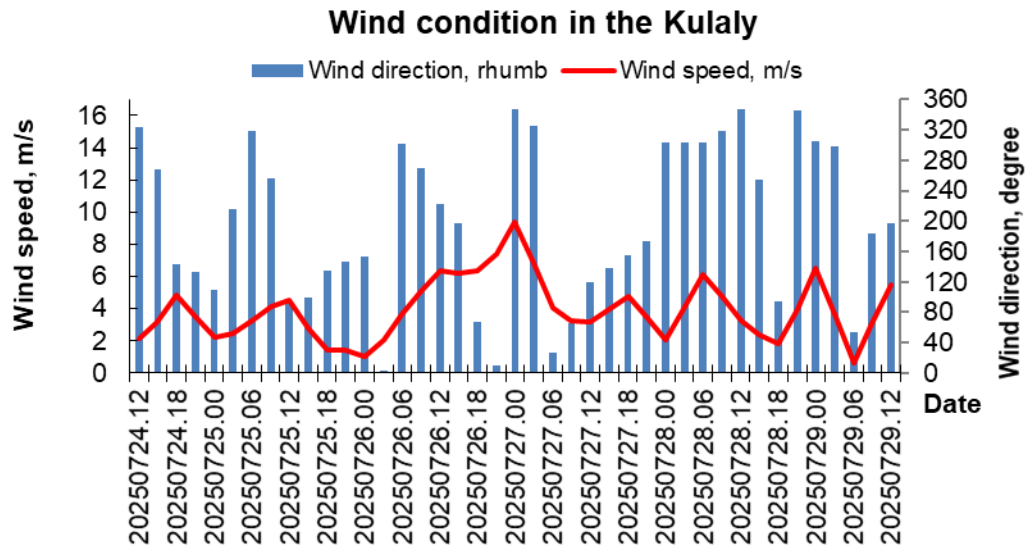




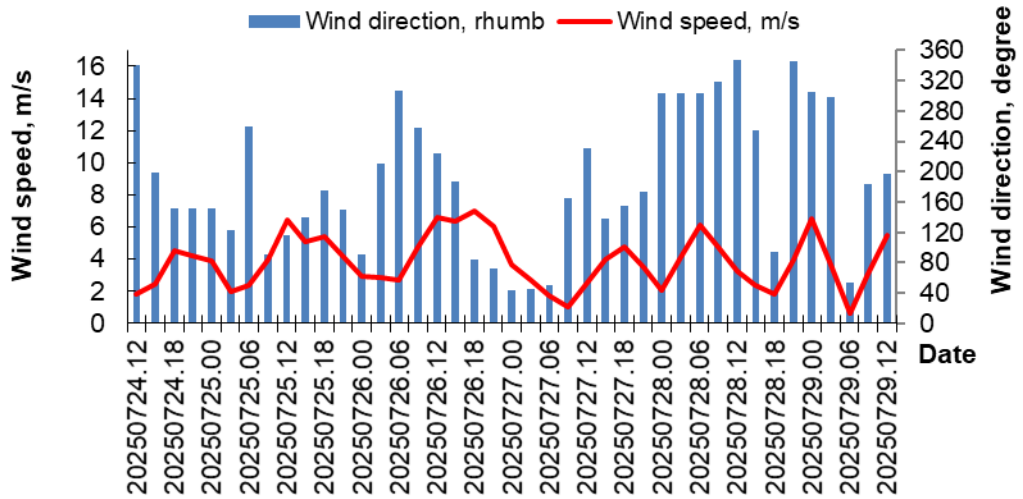
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES  
OF THE REPUBLIC OF KAZAKHSTAN  
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance  
using SWAN spectral model for the period July 24 – 29, 2025.**

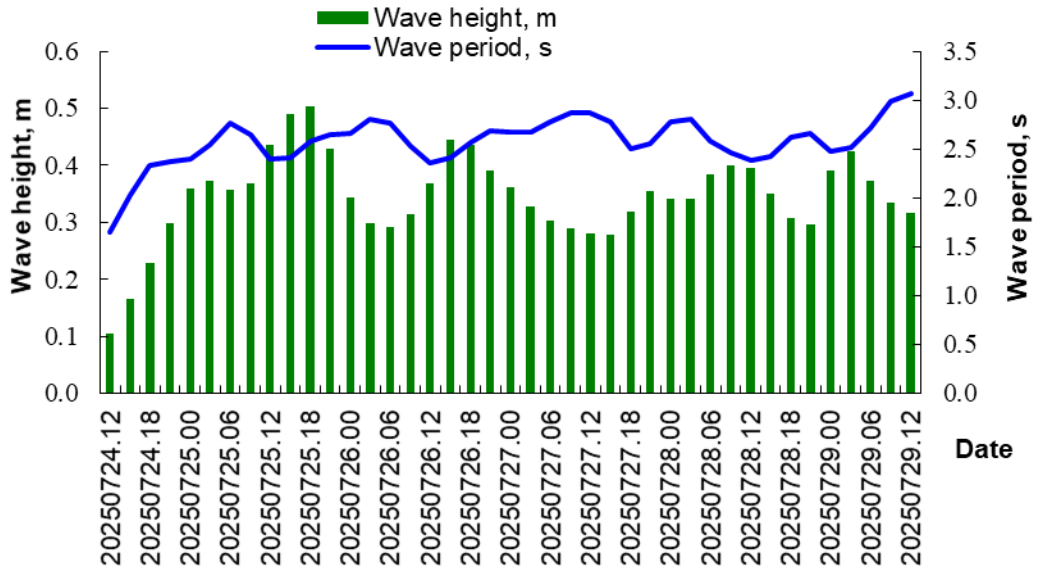


| Date time   | Kulaly         |                       |                |                 |                       |
|-------------|----------------|-----------------------|----------------|-----------------|-----------------------|
|             | Wave height, m | Wave direction, rhumb | Wave period, s | Wind speed, m/s | Wind direction, rhumb |
| 20250724.12 | 0.12           | SE                    | 1.6            | 2               | NW                    |
| 20250724.15 | 0.17           | S                     | 1.7            | 3               | W                     |
| 20250724.18 | 0.22           | S                     | 2.0            | 5               | SE                    |
| 20250724.21 | 0.27           | S                     | 2.2            | 4               | SE                    |
| 20250725.00 | 0.30           | SE                    | 2.4            | 2               | E                     |
| 20250725.03 | 0.31           | SE                    | 2.6            | 2               | SW                    |
| 20250725.06 | 0.31           | SE                    | 2.8            | 3               | NW                    |
| 20250725.09 | 0.32           | SE                    | 2.8            | 4               | W                     |
| 20250725.12 | 0.34           | SE                    | 2.8            | 5               | E                     |
| 20250725.15 | 0.35           | SE                    | 2.8            | 3               | E                     |
| 20250725.18 | 0.33           | SE                    | 3.0            | 1               | SE                    |
| 20250725.21 | 0.31           | SE                    | 3.1            | 1               | SE                    |
| 20250726.00 | 0.30           | SE                    | 3.1            | 1               | SE                    |
| 20250726.03 | 0.29           | S                     | 3.1            | 2               | N                     |
| 20250726.06 | 0.29           | S                     | 3.0            | 4               | NW                    |
| 20250726.09 | 0.31           | S                     | 2.5            | 5               | W                     |
| 20250726.12 | 0.35           | S                     | 2.3            | 6               | SW                    |
| 20250726.15 | 0.41           | SW                    | 2.3            | 6               | S                     |
| 20250726.18 | 0.38           | SW                    | 2.5            | 6               | NE                    |
| 20250726.21 | 0.36           | SW                    | 2.7            | 7               | N                     |
| 20250727.00 | 0.46           | SE                    | 2.7            | 9               | N                     |
| 20250727.03 | 0.52           | SE                    | 2.7            | 7               | NW                    |
| 20250727.06 | 0.42           | SE                    | 2.7            | 4               | NE                    |
| 20250727.09 | 0.33           | SE                    | 2.7            | 3               | NE                    |
| 20250727.12 | 0.29           | E                     | 2.9            | 3               | SE                    |
| 20250727.15 | 0.28           | S                     | 2.8            | 4               | SE                    |
| 20250727.18 | 0.28           | SW                    | 2.7            | 5               | SE                    |
| 20250727.21 | 0.28           | SW                    | 2.5            | 3               | S                     |
| 20250728.00 | 0.27           | SE                    | 2.6            | 2               | NW                    |
| 20250728.03 | 0.27           | SE                    | 2.7            | 4               | NW                    |
| 20250728.06 | 0.32           | SE                    | 2.3            | 6               | NW                    |
| 20250728.09 | 0.37           | SE                    | 2.3            | 5               | NW                    |
| 20250728.12 | 0.35           | SE                    | 2.4            | 3               | N                     |
| 20250728.15 | 0.32           | S                     | 2.5            | 2               | W                     |
| 20250728.18 | 0.31           | S                     | 2.7            | 2               | E                     |
| 20250728.21 | 0.33           | S                     | 2.6            | 4               | N                     |
| 20250729.00 | 0.41           | S                     | 2.5            | 6               | NW                    |
| 20250729.03 | 0.41           | SE                    | 2.7            | 4               | NW                    |
| 20250729.06 | 0.38           | SE                    | 3.0            | 1               | NE                    |
| 20250729.09 | 0.35           | SE                    | 3.1            | 3               | S                     |
| 20250729.12 | 0.34           | S                     | 3.0            | 5               | S                     |

### Wind condition in the Fort-Shevchenko

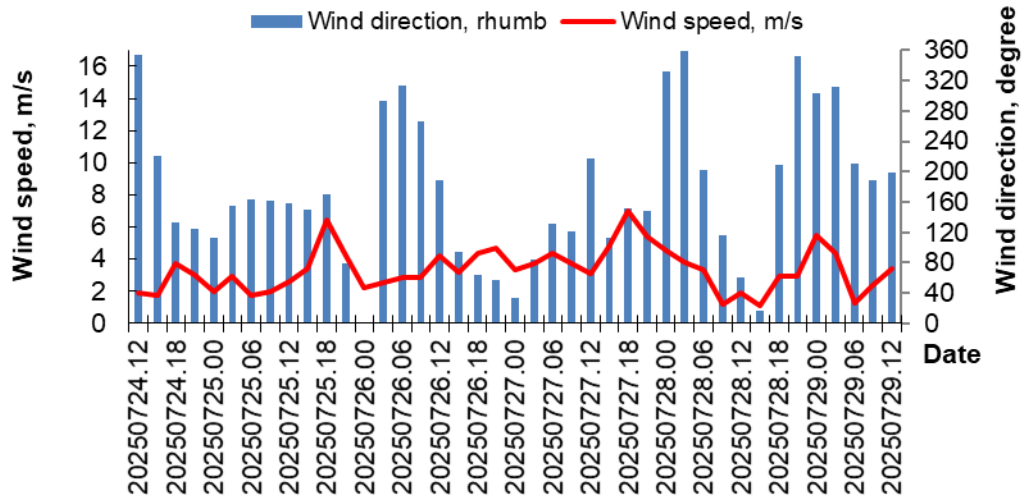


### Wave condition in the Fort-Shevchenko

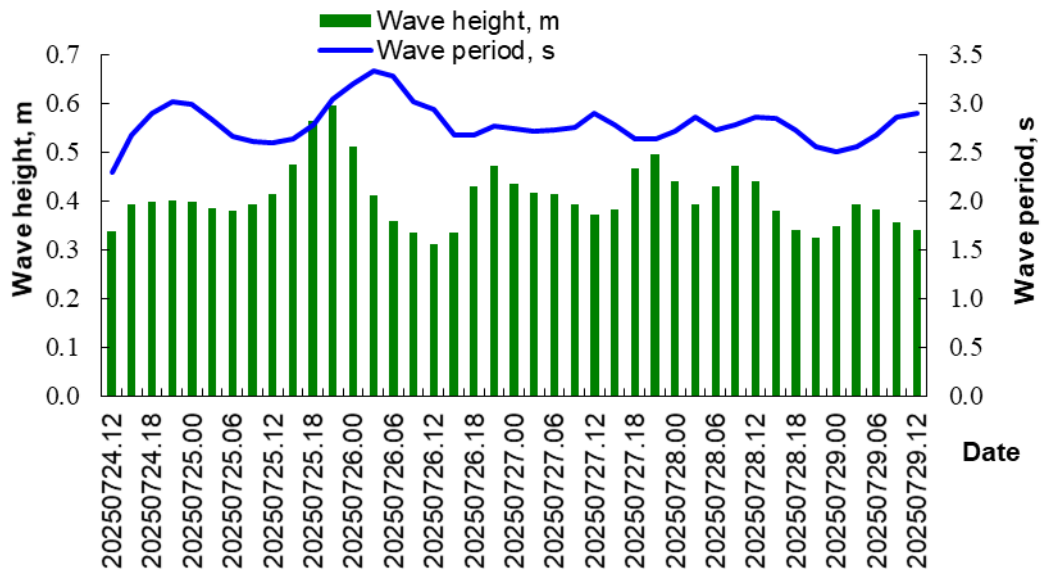


| Date time   | Fort-Shevchenko |                       |                |                 |                       |
|-------------|-----------------|-----------------------|----------------|-----------------|-----------------------|
|             | Wave height, m  | Wave direction, rhumb | Wave period, s | Wind speed, m/s | Wind direction, rhumb |
| 20250724.12 | 0.11            | S                     | 1.6            | 2               | N                     |
| 20250724.15 | 0.17            | S                     | 2.0            | 2               | S                     |
| 20250724.18 | 0.23            | S                     | 2.3            | 5               | SE                    |
| 20250724.21 | 0.30            | S                     | 2.4            | 4               | SE                    |
| 20250725.00 | 0.36            | S                     | 2.4            | 4               | SE                    |
| 20250725.03 | 0.37            | S                     | 2.5            | 2               | SE                    |
| 20250725.06 | 0.36            | SE                    | 2.8            | 2               | W                     |
| 20250725.09 | 0.37            | SE                    | 2.6            | 4               | E                     |
| 20250725.12 | 0.44            | S                     | 2.4            | 6               | SE                    |
| 20250725.15 | 0.49            | W                     | 2.4            | 5               | SE                    |
| 20250725.18 | 0.50            | NW                    | 2.6            | 5               | S                     |
| 20250725.21 | 0.43            | NW                    | 2.6            | 4               | SE                    |
| 20250726.00 | 0.34            | NW                    | 2.7            | 3               | E                     |
| 20250726.03 | 0.30            | S                     | 2.8            | 3               | SW                    |
| 20250726.06 | 0.29            | SE                    | 2.8            | 3               | NW                    |
| 20250726.09 | 0.31            | SE                    | 2.5            | 5               | W                     |
| 20250726.12 | 0.37            | S                     | 2.4            | 7               | SW                    |
| 20250726.15 | 0.44            | SW                    | 2.4            | 6               | S                     |
| 20250726.18 | 0.44            | SW                    | 2.6            | 7               | E                     |
| 20250726.21 | 0.39            | W                     | 2.7            | 6               | E                     |
| 20250727.00 | 0.36            | NW                    | 2.7            | 4               | NE                    |
| 20250727.03 | 0.33            | NW                    | 2.7            | 3               | NE                    |
| 20250727.06 | 0.30            | NW                    | 2.8            | 2               | NE                    |
| 20250727.09 | 0.29            | N                     | 2.9            | 1               | S                     |
| 20250727.12 | 0.28            | N                     | 2.9            | 3               | SW                    |
| 20250727.15 | 0.28            | N                     | 2.8            | 4               | SE                    |
| 20250727.18 | 0.32            | N                     | 2.5            | 5               | SE                    |
| 20250727.21 | 0.35            | N                     | 2.6            | 3               | S                     |
| 20250728.00 | 0.34            | N                     | 2.8            | 2               | NW                    |
| 20250728.03 | 0.34            | N                     | 2.8            | 4               | NW                    |
| 20250728.06 | 0.38            | S                     | 2.6            | 6               | NW                    |
| 20250728.09 | 0.40            | S                     | 2.5            | 5               | NW                    |
| 20250728.12 | 0.39            | E                     | 2.4            | 3               | N                     |
| 20250728.15 | 0.35            | E                     | 2.4            | 2               | W                     |
| 20250728.18 | 0.31            | SE                    | 2.6            | 2               | E                     |
| 20250728.21 | 0.30            | S                     | 2.7            | 4               | N                     |
| 20250729.00 | 0.39            | SE                    | 2.5            | 6               | NW                    |
| 20250729.03 | 0.42            | SE                    | 2.5            | 4               | NW                    |
| 20250729.06 | 0.37            | SE                    | 2.7            | 1               | NE                    |
| 20250729.09 | 0.33            | SE                    | 3.0            | 3               | S                     |
| 20250729.12 | 0.32            | SE                    | 3.1            | 5               | S                     |

### Wind condition in the Aktau

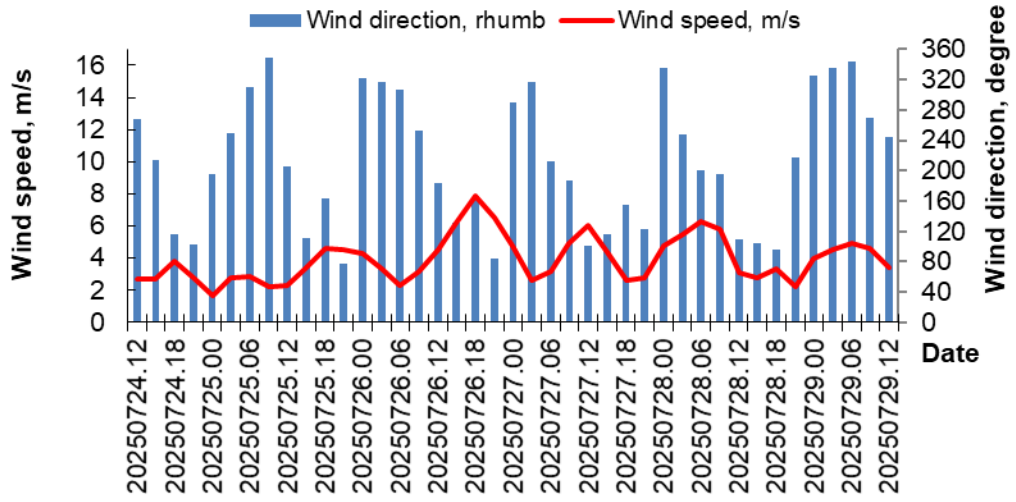


### Wave condition in the Aktau

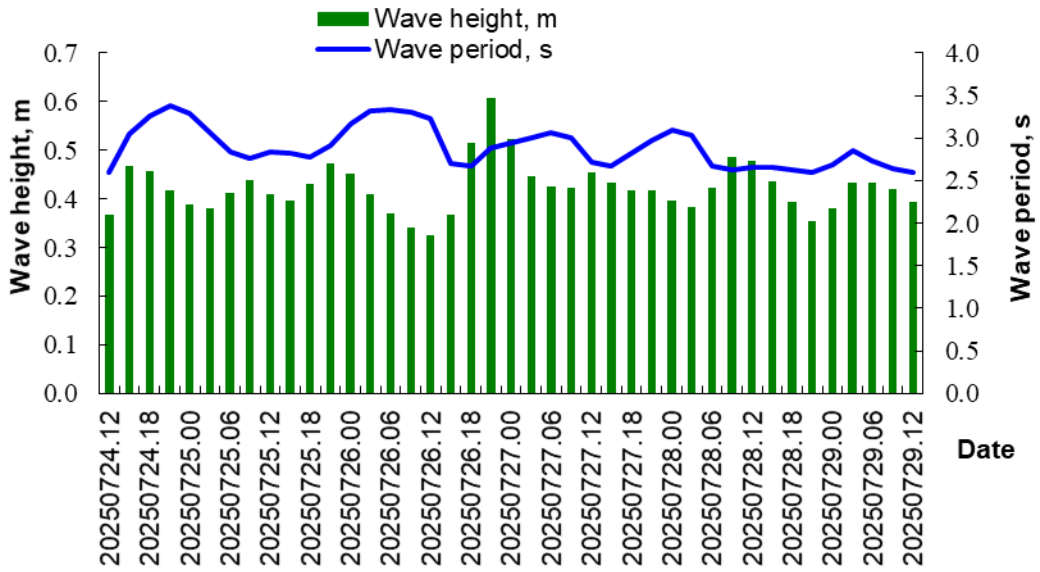


| Date time   | Aktau          |                         |                |                     |                |
|-------------|----------------|-------------------------|----------------|---------------------|----------------|
|             | Wave height, m | Направление волны, румб | Wave height, m | Скорость ветра, м/с | Wave height, m |
| 20250724.12 | 0.34           | SE                      | 2.3            | 2                   | N              |
| 20250724.15 | 0.39           | SE                      | 2.7            | 2                   | SW             |
| 20250724.18 | 0.40           | SE                      | 2.9            | 4                   | SE             |
| 20250724.21 | 0.40           | SE                      | 3.0            | 3                   | SE             |
| 20250725.00 | 0.40           | SE                      | 3.0            | 2                   | SE             |
| 20250725.03 | 0.38           | SE                      | 2.8            | 3                   | SE             |
| 20250725.06 | 0.38           | SE                      | 2.7            | 2                   | S              |
| 20250725.09 | 0.39           | SE                      | 2.6            | 2                   | S              |
| 20250725.12 | 0.41           | NE                      | 2.6            | 3                   | S              |
| 20250725.15 | 0.47           | NW                      | 2.6            | 3                   | SE             |
| 20250725.18 | 0.56           | NW                      | 2.8            | 6                   | S              |
| 20250725.21 | 0.60           | NW                      | 3.0            | 4                   | E              |
| 20250726.00 | 0.51           | NW                      | 3.2            | 2                   | N              |
| 20250726.03 | 0.41           | NW                      | 3.3            | 3                   | NW             |
| 20250726.06 | 0.36           | NW                      | 3.3            | 3                   | NW             |
| 20250726.09 | 0.33           | N                       | 3.0            | 3                   | W              |
| 20250726.12 | 0.31           | N                       | 2.9            | 4                   | S              |
| 20250726.15 | 0.34           | NW                      | 2.7            | 3                   | E              |
| 20250726.18 | 0.43           | NW                      | 2.7            | 4                   | NE             |
| 20250726.21 | 0.47           | N                       | 2.8            | 5                   | NE             |
| 20250727.00 | 0.43           | N                       | 2.7            | 3                   | NE             |
| 20250727.03 | 0.42           | N                       | 2.7            | 4                   | E              |
| 20250727.06 | 0.41           | N                       | 2.7            | 4                   | SE             |
| 20250727.09 | 0.39           | N                       | 2.7            | 4                   | SE             |
| 20250727.12 | 0.37           | N                       | 2.9            | 3                   | SW             |
| 20250727.15 | 0.38           | NW                      | 2.8            | 5                   | SE             |
| 20250727.18 | 0.47           | NW                      | 2.6            | 7                   | SE             |
| 20250727.21 | 0.50           | NW                      | 2.6            | 5                   | SE             |
| 20250728.00 | 0.44           | NW                      | 2.7            | 5                   | NW             |
| 20250728.03 | 0.39           | NW                      | 2.9            | 4                   | N              |
| 20250728.06 | 0.43           | W                       | 2.7            | 3                   | S              |
| 20250728.09 | 0.47           | W                       | 2.8            | 1                   | SE             |
| 20250728.12 | 0.44           | W                       | 2.9            | 2                   | NE             |
| 20250728.15 | 0.38           | W                       | 2.8            | 1                   | N              |
| 20250728.18 | 0.34           | W                       | 2.7            | 3                   | SW             |
| 20250728.21 | 0.32           | SW                      | 2.6            | 3                   | N              |
| 20250729.00 | 0.35           | S                       | 2.5            | 5                   | NW             |
| 20250729.03 | 0.39           | SE                      | 2.6            | 4                   | NW             |
| 20250729.06 | 0.38           | SE                      | 2.7            | 1                   | SW             |
| 20250729.09 | 0.36           | SE                      | 2.9            | 2                   | S              |
| 20250729.12 | 0.34           | SE                      | 2.9            | 3                   | S              |

### Wind condition in the Peschanyi



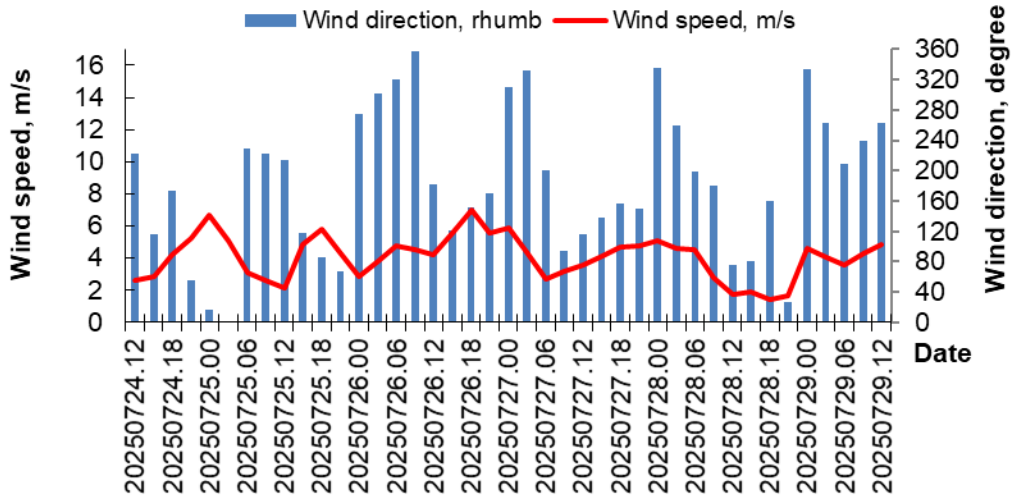
### Wave condition in the Peschanyi



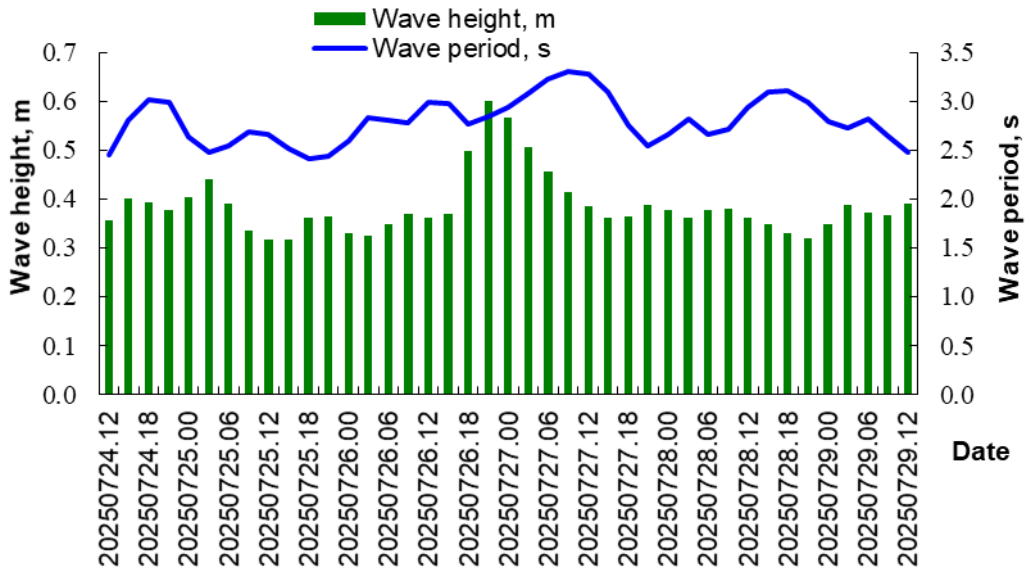
| Date time   | Peschanyi (Isan) |                       |                |                 |                       |
|-------------|------------------|-----------------------|----------------|-----------------|-----------------------|
|             | Wave height, m   | Wave direction, rhumb | Wave period, s | Wind speed, m/s | Wind direction, rhumb |
| 20250724.12 | 0.37             | SE                    | 2.6            | 3               | W                     |
| 20250724.15 | 0.47             | SE                    | 3.1            | 3               | SW                    |
| 20250724.18 | 0.46             | SE                    | 3.3            | 4               | SE                    |
| 20250724.21 | 0.42             | SE                    | 3.4            | 3               | E                     |
| 20250725.00 | 0.39             | SE                    | 3.3            | 2               | S                     |
| 20250725.03 | 0.38             | S                     | 3.1            | 3               | W                     |
| 20250725.06 | 0.41             | SE                    | 2.8            | 3               | NW                    |
| 20250725.09 | 0.44             | SE                    | 2.8            | 2               | N                     |
| 20250725.12 | 0.41             | SE                    | 2.8            | 2               | SW                    |
| 20250725.15 | 0.40             | SE                    | 2.8            | 3               | E                     |
| 20250725.18 | 0.43             | NW                    | 2.8            | 5               | S                     |
| 20250725.21 | 0.47             | NW                    | 2.9            | 5               | E                     |
| 20250726.00 | 0.45             | NW                    | 3.2            | 4               | NW                    |
| 20250726.03 | 0.41             | NW                    | 3.3            | 3               | NW                    |
| 20250726.06 | 0.37             | NW                    | 3.3            | 2               | NW                    |
| 20250726.09 | 0.34             | N                     | 3.3            | 3               | W                     |
| 20250726.12 | 0.33             | N                     | 3.2            | 5               | S                     |
| 20250726.15 | 0.37             | NW                    | 2.7            | 6               | SE                    |
| 20250726.18 | 0.52             | NW                    | 2.7            | 8               | S                     |
| 20250726.21 | 0.61             | N                     | 2.9            | 6               | E                     |
| 20250727.00 | 0.52             | N                     | 2.9            | 5               | W                     |
| 20250727.03 | 0.45             | N                     | 3.0            | 3               | NW                    |
| 20250727.06 | 0.43             | N                     | 3.1            | 3               | SW                    |
| 20250727.09 | 0.42             | N                     | 3.0            | 5               | S                     |
| 20250727.12 | 0.45             | NW                    | 2.7            | 6               | E                     |
| 20250727.15 | 0.43             | NW                    | 2.7            | 4               | SE                    |
| 20250727.18 | 0.42             | NW                    | 2.8            | 3               | SE                    |
| 20250727.21 | 0.42             | NW                    | 3.0            | 3               | SE                    |
| 20250728.00 | 0.40             | NW                    | 3.1            | 5               | NW                    |
| 20250728.03 | 0.38             | NW                    | 3.0            | 5               | SW                    |
| 20250728.06 | 0.42             | W                     | 2.7            | 6               | S                     |
| 20250728.09 | 0.49             | W                     | 2.6            | 6               | S                     |
| 20250728.12 | 0.48             | W                     | 2.7            | 3               | E                     |
| 20250728.15 | 0.44             | W                     | 2.7            | 3               | E                     |
| 20250728.18 | 0.39             | W                     | 2.6            | 3               | E                     |
| 20250728.21 | 0.36             | W                     | 2.6            | 2               | SW                    |
| 20250729.00 | 0.38             | S                     | 2.7            | 4               | NW                    |
| 20250729.03 | 0.43             | SE                    | 2.8            | 5               | NW                    |
| 20250729.06 | 0.43             | SE                    | 2.7            | 5               | N                     |
| 20250729.09 | 0.42             | SE                    | 2.6            | 5               | W                     |
| 20250729.12 | 0.39             | S                     | 2.6            | 3               | SW                    |



### Wind condition in the Fetisovo

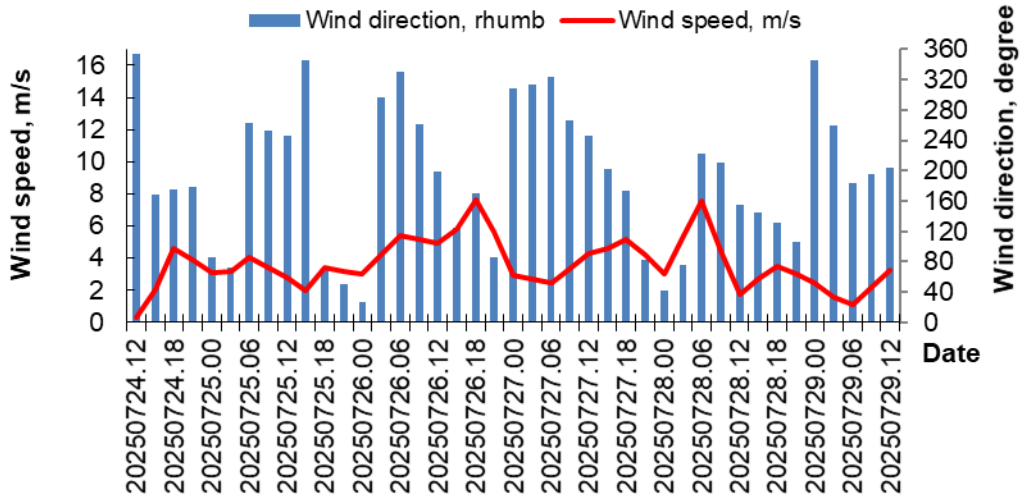


### Wave condition in the Fetisovo

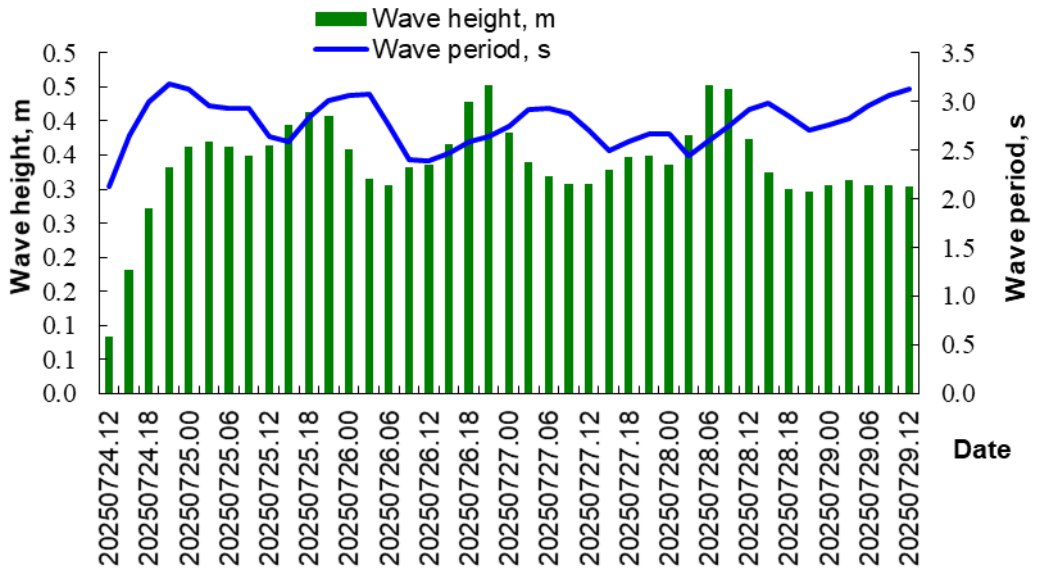


| Date time   | Fetisovo       |                       |                |                 |                       |
|-------------|----------------|-----------------------|----------------|-----------------|-----------------------|
|             | Wave height, m | Wave direction, rhumb | Wave period, s | Wind speed, m/s | Wind direction, rhumb |
| 20250724.12 | 0.36           | S                     | 2.4            | 3               | SW                    |
| 20250724.15 | 0.40           | S                     | 2.8            | 3               | SE                    |
| 20250724.18 | 0.39           | S                     | 3.0            | 4               | S                     |
| 20250724.21 | 0.38           | S                     | 3.0            | 5               | NE                    |
| 20250725.00 | 0.40           | SE                    | 2.6            | 7               | N                     |
| 20250725.03 | 0.44           | E                     | 2.5            | 5               | N                     |
| 20250725.06 | 0.39           | SE                    | 2.5            | 3               | SW                    |
| 20250725.09 | 0.34           | SE                    | 2.7            | 3               | SW                    |
| 20250725.12 | 0.32           | E                     | 2.7            | 2               | SW                    |
| 20250725.15 | 0.32           | NE                    | 2.5            | 5               | SE                    |
| 20250725.18 | 0.36           | N                     | 2.4            | 6               | E                     |
| 20250725.21 | 0.36           | N                     | 2.4            | 4               | NE                    |
| 20250726.00 | 0.33           | N                     | 2.6            | 3               | W                     |
| 20250726.03 | 0.33           | N                     | 2.8            | 4               | NW                    |
| 20250726.06 | 0.35           | N                     | 2.8            | 5               | NW                    |
| 20250726.09 | 0.37           | NE                    | 2.8            | 4               | N                     |
| 20250726.12 | 0.36           | NE                    | 3.0            | 4               | S                     |
| 20250726.15 | 0.37           | N                     | 3.0            | 6               | SE                    |
| 20250726.18 | 0.50           | NW                    | 2.8            | 7               | SE                    |
| 20250726.21 | 0.60           | NW                    | 2.9            | 6               | S                     |
| 20250727.00 | 0.57           | N                     | 2.9            | 6               | NW                    |
| 20250727.03 | 0.51           | NE                    | 3.1            | 4               | NW                    |
| 20250727.06 | 0.46           | NE                    | 3.2            | 3               | S                     |
| 20250727.09 | 0.41           | NE                    | 3.3            | 3               | E                     |
| 20250727.12 | 0.38           | NE                    | 3.3            | 4               | SE                    |
| 20250727.15 | 0.36           | NE                    | 3.1            | 4               | SE                    |
| 20250727.18 | 0.36           | N                     | 2.8            | 5               | SE                    |
| 20250727.21 | 0.39           | NW                    | 2.5            | 5               | SE                    |
| 20250728.00 | 0.38           | NW                    | 2.7            | 5               | NW                    |
| 20250728.03 | 0.36           | NW                    | 2.8            | 5               | W                     |
| 20250728.06 | 0.38           | W                     | 2.7            | 5               | S                     |
| 20250728.09 | 0.38           | W                     | 2.7            | 3               | S                     |
| 20250728.12 | 0.36           | W                     | 2.9            | 2               | E                     |
| 20250728.15 | 0.35           | NW                    | 3.1            | 2               | E                     |
| 20250728.18 | 0.33           | NW                    | 3.1            | 1               | S                     |
| 20250728.21 | 0.32           | W                     | 3.0            | 2               | NE                    |
| 20250729.00 | 0.35           | SW                    | 2.8            | 5               | NW                    |
| 20250729.03 | 0.39           | S                     | 2.7            | 4               | W                     |
| 20250729.06 | 0.37           | S                     | 2.8            | 4               | SW                    |
| 20250729.09 | 0.37           | S                     | 2.6            | 4               | SW                    |
| 20250729.12 | 0.39           | S                     | 2.5            | 5               | W                     |

### Wind condition in the Saura

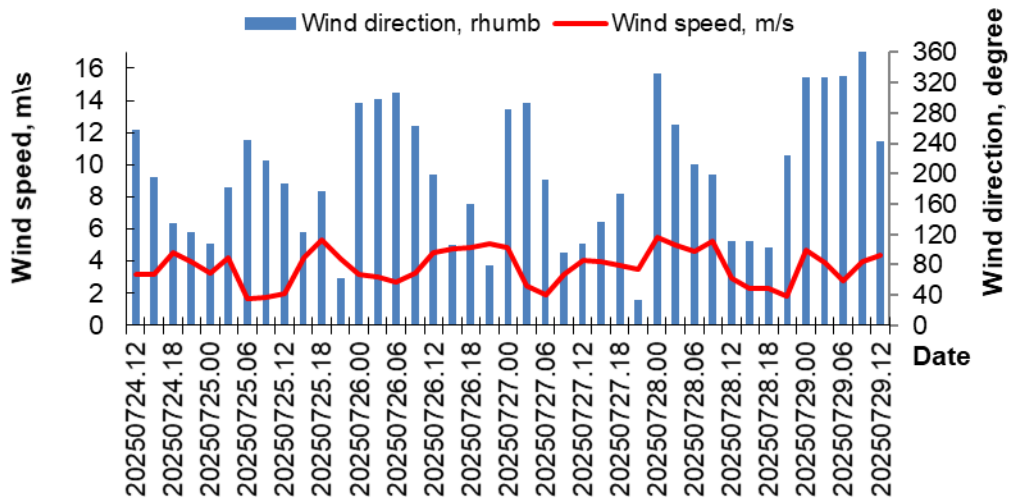


### Wave condition in the Saura

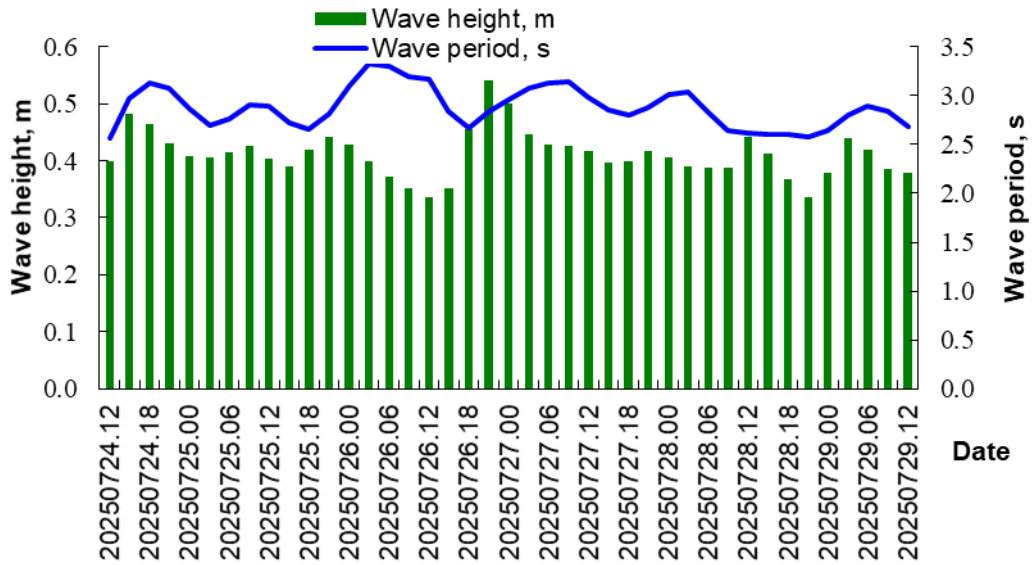


| Date time   | Saura          |                       |                |                 |                       |
|-------------|----------------|-----------------------|----------------|-----------------|-----------------------|
|             | Wave height, m | Wave direction, rhumb | Wave period, s | Wind speed, m/s | Wind direction, rhumb |
| 20250724.12 | 0.08           | S                     | 2.1            | 0               | N                     |
| 20250724.15 | 0.18           | S                     | 2.6            | 2               | S                     |
| 20250724.18 | 0.27           | S                     | 3.0            | 5               | S                     |
| 20250724.21 | 0.33           | S                     | 3.2            | 4               | S                     |
| 20250725.00 | 0.36           | S                     | 3.1            | 3               | E                     |
| 20250725.03 | 0.37           | SE                    | 3.0            | 3               | E                     |
| 20250725.06 | 0.36           | SE                    | 2.9            | 4               | W                     |
| 20250725.09 | 0.35           | SE                    | 2.9            | 3               | W                     |
| 20250725.12 | 0.36           | S                     | 2.6            | 3               | SW                    |
| 20250725.15 | 0.39           | SW                    | 2.6            | 2               | N                     |
| 20250725.18 | 0.41           | NW                    | 2.8            | 3               | E                     |
| 20250725.21 | 0.41           | NW                    | 3.0            | 3               | NE                    |
| 20250726.00 | 0.36           | NW                    | 3.1            | 3               | NE                    |
| 20250726.03 | 0.32           | NW                    | 3.1            | 4               | NW                    |
| 20250726.06 | 0.31           | E                     | 2.8            | 5               | NW                    |
| 20250726.09 | 0.33           | SE                    | 2.4            | 5               | W                     |
| 20250726.12 | 0.34           | S                     | 2.4            | 5               | S                     |
| 20250726.15 | 0.37           | SW                    | 2.5            | 6               | SE                    |
| 20250726.18 | 0.43           | W                     | 2.6            | 8               | S                     |
| 20250726.21 | 0.45           | NW                    | 2.6            | 6               | E                     |
| 20250727.00 | 0.38           | NW                    | 2.7            | 3               | NW                    |
| 20250727.03 | 0.34           | NW                    | 2.9            | 3               | NW                    |
| 20250727.06 | 0.32           | N                     | 2.9            | 2               | NW                    |
| 20250727.09 | 0.31           | N                     | 2.9            | 3               | W                     |
| 20250727.12 | 0.31           | N                     | 2.7            | 4               | SW                    |
| 20250727.15 | 0.33           | W                     | 2.5            | 5               | S                     |
| 20250727.18 | 0.35           | NW                    | 2.6            | 5               | S                     |
| 20250727.21 | 0.35           | NW                    | 2.7            | 4               | E                     |
| 20250728.00 | 0.34           | N                     | 2.7            | 3               | NE                    |
| 20250728.03 | 0.38           | N                     | 2.4            | 5               | E                     |
| 20250728.06 | 0.45           | NW                    | 2.6            | 8               | SW                    |
| 20250728.09 | 0.45           | SW                    | 2.7            | 4               | SW                    |
| 20250728.12 | 0.37           | SW                    | 2.9            | 2               | SE                    |
| 20250728.15 | 0.32           | SW                    | 3.0            | 3               | SE                    |
| 20250728.18 | 0.30           | SW                    | 2.8            | 3               | SE                    |
| 20250728.21 | 0.30           | SW                    | 2.7            | 3               | E                     |
| 20250729.00 | 0.31           | S                     | 2.8            | 2               | N                     |
| 20250729.03 | 0.31           | SE                    | 2.8            | 2               | W                     |
| 20250729.06 | 0.31           | SE                    | 3.0            | 1               | S                     |
| 20250729.09 | 0.31           | SE                    | 3.1            | 2               | S                     |
| 20250729.12 | 0.30           | SE                    | 3.1            | 3               | SW                    |

### Wind condition in the Kuryik



### Wave condition in the Kuryik



| Date time   | Kuryk          |                       |                |                 |                       |
|-------------|----------------|-----------------------|----------------|-----------------|-----------------------|
|             | Wave height, m | Wave direction, rhumb | Wave period, s | Wind speed, m/s | Wind direction, rhumb |
| 20250724.12 | 0.40           | SE                    | 2.6            | 3               | W                     |
| 20250724.15 | 0.48           | SE                    | 3.0            | 3               | S                     |
| 20250724.18 | 0.46           | SE                    | 3.1            | 4               | SE                    |
| 20250724.21 | 0.43           | SE                    | 3.1            | 4               | SE                    |
| 20250725.00 | 0.41           | S                     | 2.9            | 3               | E                     |
| 20250725.03 | 0.41           | S                     | 2.7            | 4               | S                     |
| 20250725.06 | 0.42           | SE                    | 2.8            | 2               | SW                    |
| 20250725.09 | 0.43           | SE                    | 2.9            | 2               | SW                    |
| 20250725.12 | 0.40           | SE                    | 2.9            | 2               | S                     |
| 20250725.15 | 0.39           | E                     | 2.7            | 4               | SE                    |
| 20250725.18 | 0.42           | N                     | 2.7            | 5               | S                     |
| 20250725.21 | 0.44           | NW                    | 2.8            | 4               | NE                    |
| 20250726.00 | 0.43           | NW                    | 3.1            | 3               | NW                    |
| 20250726.03 | 0.40           | NW                    | 3.3            | 3               | NW                    |
| 20250726.06 | 0.37           | NW                    | 3.3            | 3               | NW                    |
| 20250726.09 | 0.35           | N                     | 3.2            | 3               | W                     |
| 20250726.12 | 0.34           | N                     | 3.2            | 5               | S                     |
| 20250726.15 | 0.35           | N                     | 2.8            | 5               | E                     |
| 20250726.18 | 0.46           | NW                    | 2.7            | 5               | S                     |
| 20250726.21 | 0.54           | N                     | 2.8            | 5               | E                     |
| 20250727.00 | 0.50           | N                     | 3.0            | 5               | W                     |
| 20250727.03 | 0.45           | N                     | 3.1            | 2               | NW                    |
| 20250727.06 | 0.43           | N                     | 3.1            | 2               | S                     |
| 20250727.09 | 0.43           | N                     | 3.1            | 3               | E                     |
| 20250727.12 | 0.42           | N                     | 3.0            | 4               | E                     |
| 20250727.15 | 0.40           | N                     | 2.9            | 4               | SE                    |
| 20250727.18 | 0.40           | NW                    | 2.8            | 4               | S                     |
| 20250727.21 | 0.42           | NW                    | 2.9            | 4               | NE                    |
| 20250728.00 | 0.41           | NW                    | 3.0            | 5               | NW                    |
| 20250728.03 | 0.39           | NW                    | 3.0            | 5               | W                     |
| 20250728.06 | 0.39           | W                     | 2.8            | 5               | SW                    |
| 20250728.09 | 0.39           | W                     | 2.6            | 5               | S                     |
| 20250728.12 | 0.44           | W                     | 2.6            | 3               | E                     |
| 20250728.15 | 0.41           | W                     | 2.6            | 2               | E                     |
| 20250728.18 | 0.37           | W                     | 2.6            | 2               | E                     |
| 20250728.21 | 0.34           | W                     | 2.6            | 2               | SW                    |
| 20250729.00 | 0.38           | S                     | 2.6            | 5               | NW                    |
| 20250729.03 | 0.44           | SE                    | 2.8            | 4               | NW                    |
| 20250729.06 | 0.42           | SE                    | 2.9            | 3               | NW                    |
| 20250729.09 | 0.38           | SE                    | 2.8            | 4               | N                     |
| 20250729.12 | 0.38           | S                     | 2.7            | 4               | SW                    |

*\*Calculation characteristics were obtained using the SWAN wave model, adapted in RSE «Kazhydromet» to the conditions of the Caspian Sea.*

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