

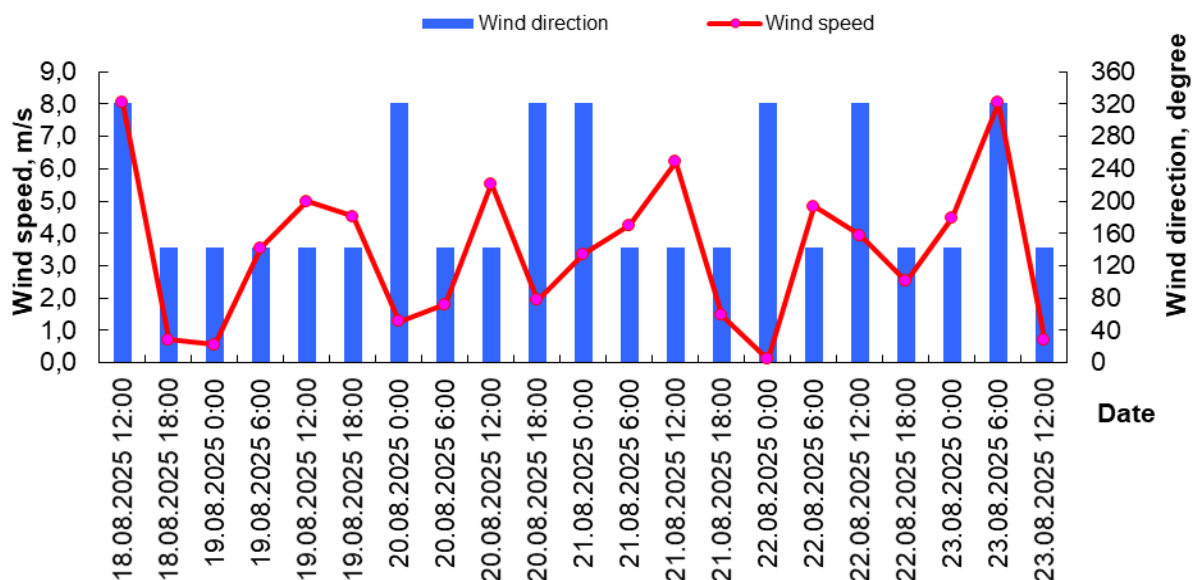


MINISTRY OF ECOLOGY AND NATURAL RESOURCES  
OF THE REPUBLIC OF KAZAKHSTAN

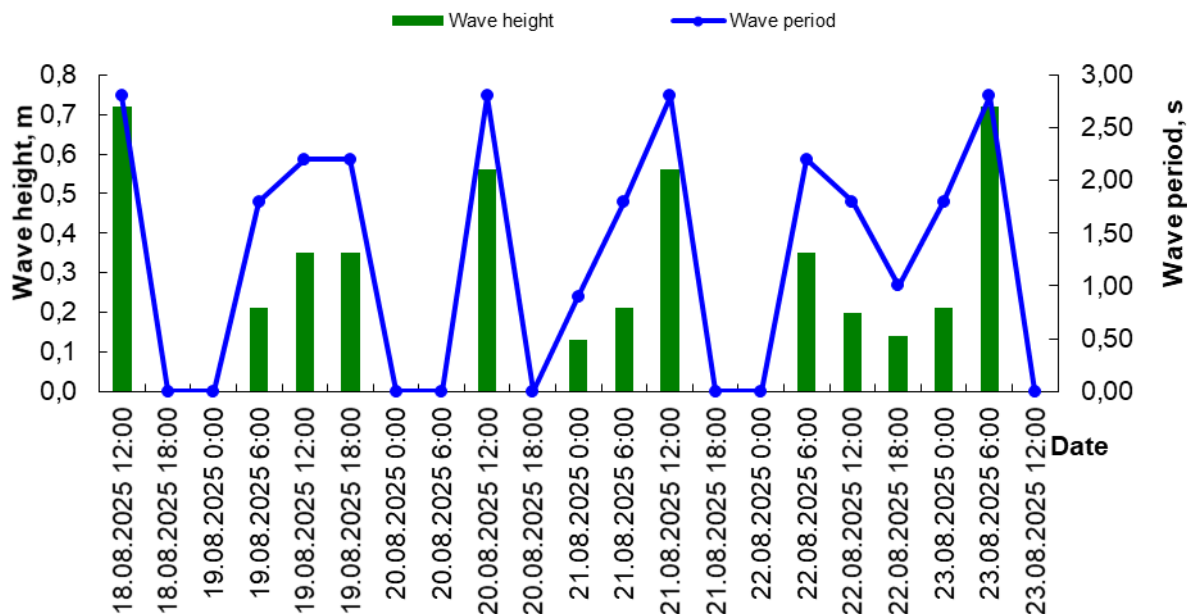
RSE «KAZHYDROMET»

Wave and wind forecast for the Middle part of the Caspian Sea with a 5-day  
advance for the period August 18–23, 2025

Wind condition in the 21050 unit

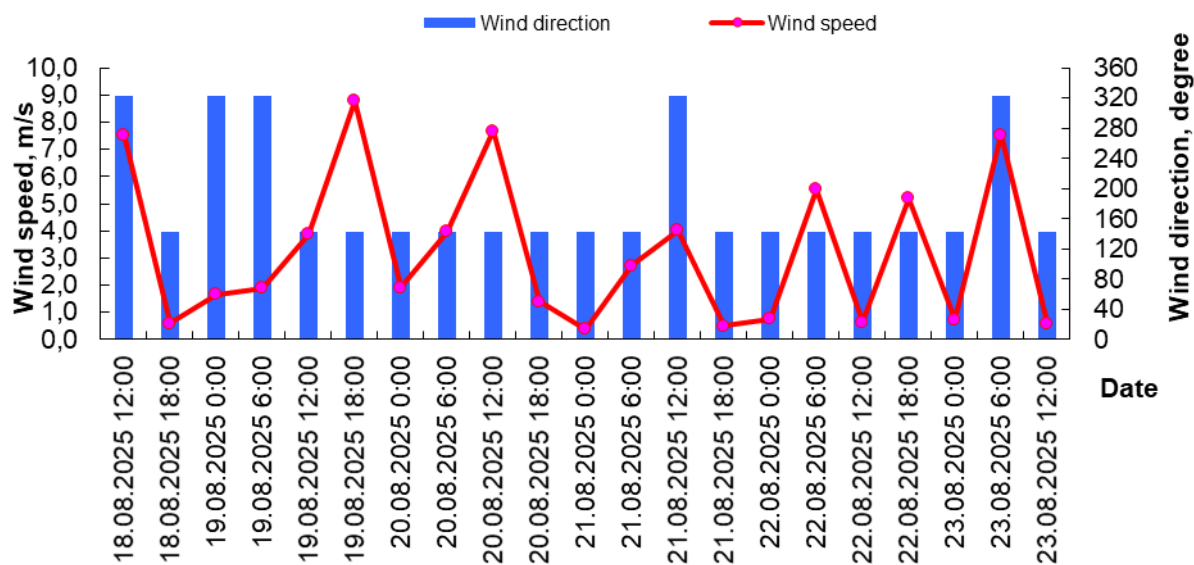


Wave condition in the 21050 unit

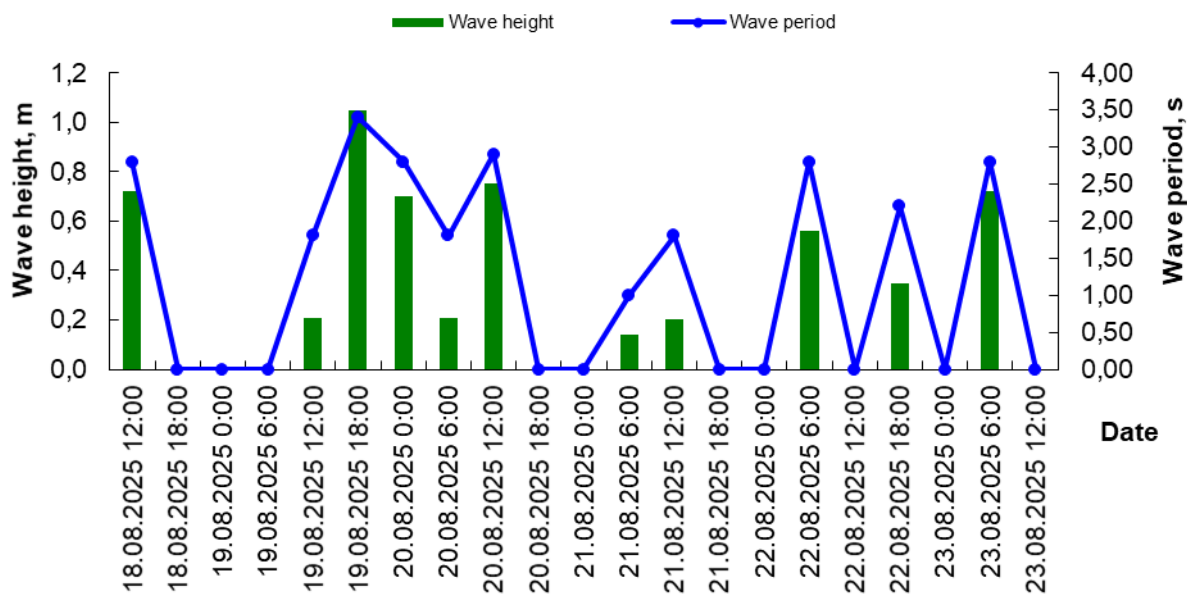


| Date Time        | Wind speed (WS) and<br>wind direction (WD) |          | Wave height (H) and wave period ( $\tau$ ) |      |
|------------------|--------------------------------------------|----------|--------------------------------------------|------|
|                  | WS, m/s                                    | WD, rumb | H, m                                       | t, s |
| 18.08.2025 12:00 | 8                                          | NW       | 0,72                                       | 2,80 |
| 18.08.2025 18:00 | 1                                          | SE       | 0,00                                       | 0,00 |
| 19.08.2025 0:00  | 1                                          | NW       | 0,00                                       | 0,00 |
| 19.08.2025 6:00  | 4                                          | NW       | 0,21                                       | 1,80 |
| 19.08.2025 12:00 | 5                                          | SE       | 0,35                                       | 2,20 |
| 19.08.2025 18:00 | 5                                          | SE       | 0,35                                       | 2,20 |
| 20.08.2025 0:00  | 1                                          | SE       | 0,00                                       | 0,00 |
| 20.08.2025 6:00  | 2                                          | SE       | 0,00                                       | 0,00 |
| 20.08.2025 12:00 | 6                                          | SE       | 0,56                                       | 2,80 |
| 20.08.2025 18:00 | 2                                          | SE       | 0,00                                       | 0,00 |
| 21.08.2025 0:00  | 3                                          | SE       | 0,13                                       | 0,90 |
| 21.08.2025 6:00  | 4                                          | SE       | 0,21                                       | 1,80 |
| 21.08.2025 12:00 | 6                                          | NW       | 0,56                                       | 2,80 |
| 21.08.2025 18:00 | 1                                          | SE       | 0,00                                       | 0,00 |
| 22.08.2025 0:00  | 0                                          | SE       | 0,00                                       | 0,00 |
| 22.08.2025 6:00  | 5                                          | SE       | 0,35                                       | 2,20 |
| 22.08.2025 12:00 | 4                                          | SE       | 0,20                                       | 1,80 |
| 22.08.2025 18:00 | 3                                          | SE       | 0,14                                       | 1,00 |
| 23.08.2025 0:00  | 4                                          | SE       | 0,21                                       | 1,80 |
| 23.08.2025 6:00  | 8                                          | NW       | 0,72                                       | 2,80 |
| 23.08.2025 12:00 | 1                                          | SE       | 0,00                                       | 0,00 |

### Wind condition in the 21141 unit

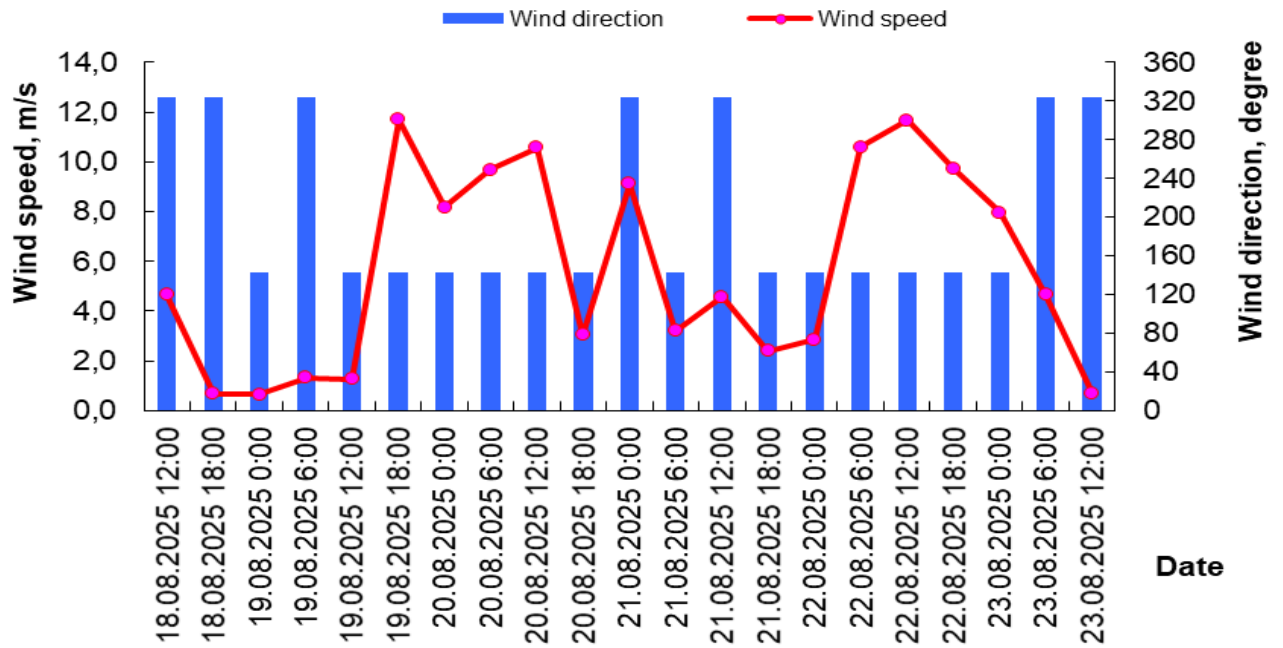


### Wave condition in the 21141 unit

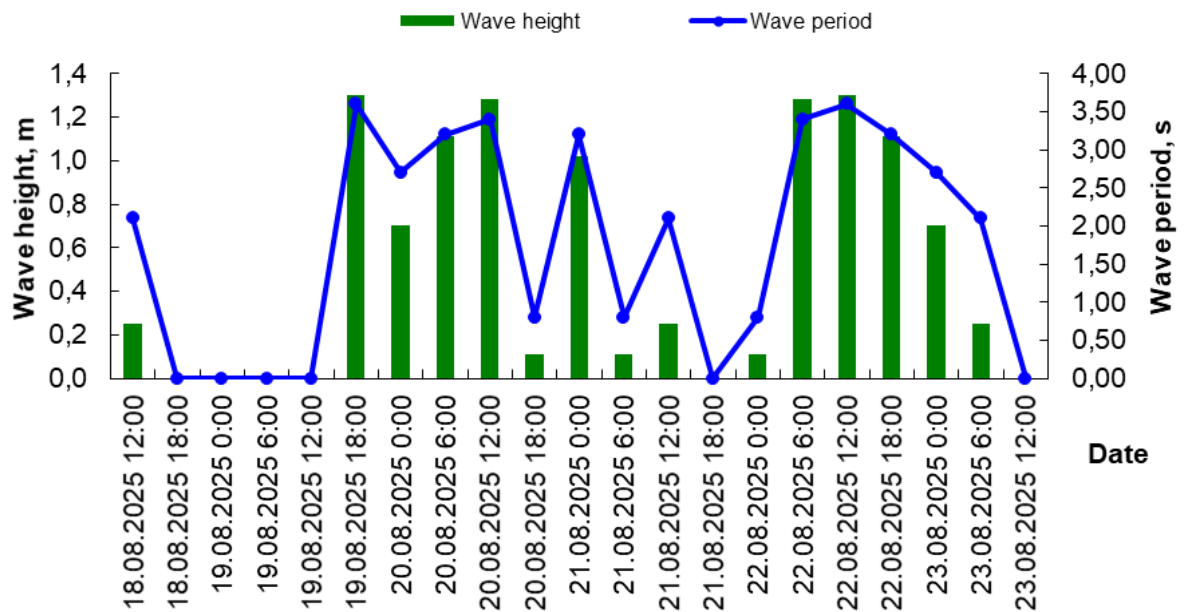


| Date Time        | Wind speed (WS) and<br>wind direction (WD) |          | Wave height (H) and wave period ( $\tau$ ) |      |
|------------------|--------------------------------------------|----------|--------------------------------------------|------|
|                  | WS, m/s                                    | WD, rumb | H, m                                       | t, s |
| 18.08.2025 12:00 | 8                                          | NW       | 0,72                                       | 2,80 |
| 18.08.2025 18:00 | 1                                          | SE       | 0,00                                       | 0,00 |
| 19.08.2025 0:00  | 2                                          | NW       | 0,00                                       | 0,00 |
| 19.08.2025 6:00  | 2                                          | NW       | 0,00                                       | 0,00 |
| 19.08.2025 12:00 | 4                                          | SE       | 0,21                                       | 1,80 |
| 19.08.2025 18:00 | 9                                          | SE       | 1,05                                       | 3,40 |
| 20.08.2025 0:00  | 7                                          | SE       | 0,70                                       | 2,80 |
| 20.08.2025 6:00  | 4                                          | SE       | 0,21                                       | 1,80 |
| 20.08.2025 12:00 | 8                                          | SE       | 0,75                                       | 2,90 |
| 20.08.2025 18:00 | 1                                          | SE       | 0,00                                       | 0,00 |
| 21.08.2025 0:00  | 0                                          | SE       | 0,00                                       | 0,00 |
| 21.08.2025 6:00  | 3                                          | SE       | 0,14                                       | 1,00 |
| 21.08.2025 12:00 | 4                                          | NW       | 0,20                                       | 1,80 |
| 21.08.2025 18:00 | 0                                          | SE       | 0,00                                       | 0,00 |
| 22.08.2025 0:00  | 1                                          | SE       | 0,00                                       | 0,00 |
| 22.08.2025 6:00  | 6                                          | SE       | 0,56                                       | 2,80 |
| 22.08.2025 12:00 | 1                                          | SE       | 0,00                                       | 0,00 |
| 22.08.2025 18:00 | 5                                          | SE       | 0,35                                       | 2,20 |
| 23.08.2025 0:00  | 1                                          | SE       | 0,00                                       | 0,00 |
| 23.08.2025 6:00  | 8                                          | NW       | 0,72                                       | 2,80 |
| 23.08.2025 12:00 | 1                                          | SE       | 0,00                                       | 0,00 |

### Wind condition in the 21142 unit

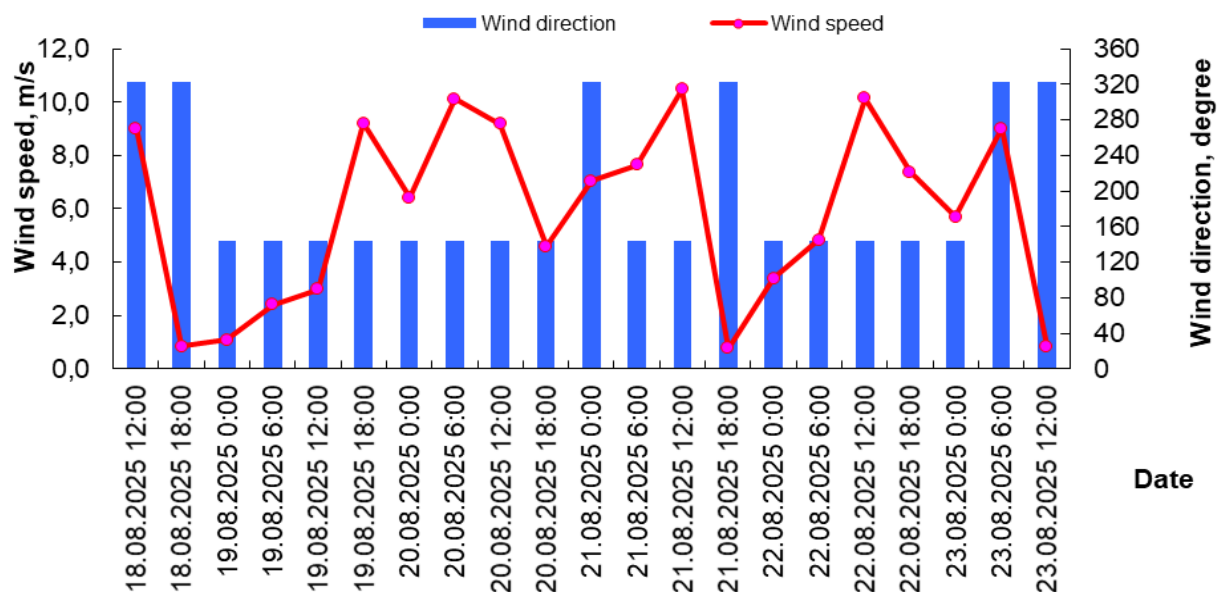


### Wave condition in the 21142 unit

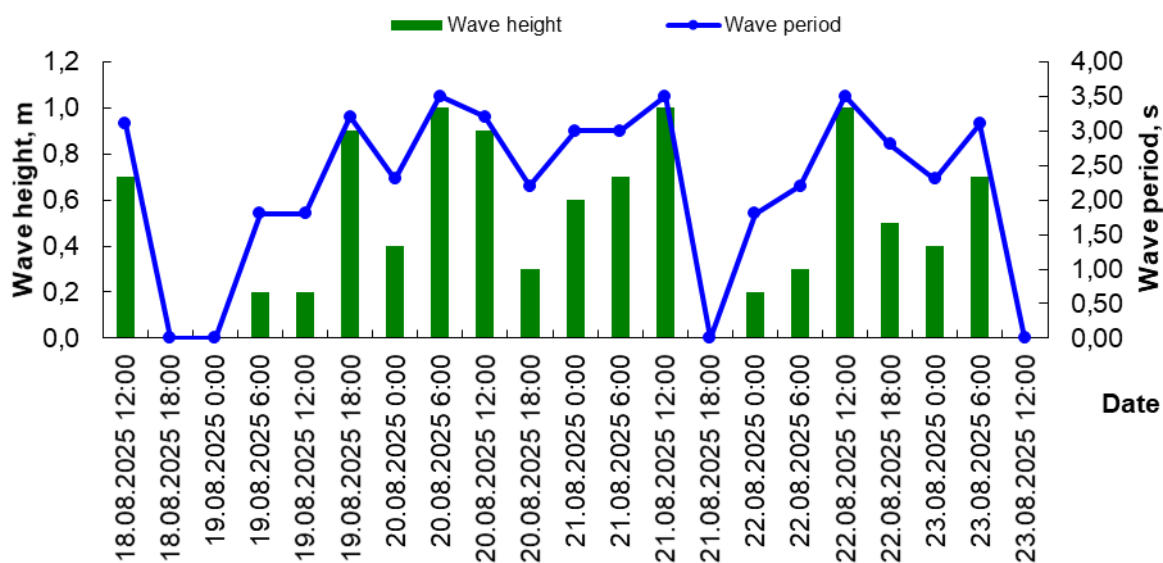


| Date Time        | Wind speed (WS) and<br>wind direction (WD) |          | Wave height (H) and wave period ( $\tau$ ) |      |
|------------------|--------------------------------------------|----------|--------------------------------------------|------|
|                  | WS, m/s                                    | WD, rumb | H, m                                       | t, s |
| 18.08.2025 12:00 | 5                                          | NW       | 0,25                                       | 2,10 |
| 18.08.2025 18:00 | 1                                          | NW       | 0,00                                       | 0,00 |
| 19.08.2025 0:00  | 1                                          | SE       | 0,00                                       | 0,00 |
| 19.08.2025 6:00  | 1                                          | NW       | 0,00                                       | 0,00 |
| 19.08.2025 12:00 | 1                                          | SE       | 0,00                                       | 0,00 |
| 19.08.2025 18:00 | 12                                         | SE       | 1,30                                       | 3,60 |
| 20.08.2025 0:00  | 8                                          | SE       | 0,70                                       | 2,70 |
| 20.08.2025 6:00  | 10                                         | SE       | 1,11                                       | 3,20 |
| 20.08.2025 12:00 | 11                                         | SE       | 1,28                                       | 3,40 |
| 20.08.2025 18:00 | 3                                          | SE       | 0,11                                       | 0,80 |
| 21.08.2025 0:00  | 9                                          | NW       | 1,02                                       | 3,20 |
| 21.08.2025 6:00  | 3                                          | SE       | 0,11                                       | 0,80 |
| 21.08.2025 12:00 | 5                                          | NW       | 0,25                                       | 2,10 |
| 21.08.2025 18:00 | 2                                          | SE       | 0,00                                       | 0,00 |
| 22.08.2025 0:00  | 3                                          | SE       | 0,11                                       | 0,80 |
| 22.08.2025 6:00  | 11                                         | SE       | 1,28                                       | 3,40 |
| 22.08.2025 12:00 | 12                                         | SE       | 1,30                                       | 3,60 |
| 22.08.2025 18:00 | 10                                         | SE       | 1,11                                       | 3,20 |
| 23.08.2025 0:00  | 8                                          | SE       | 0,70                                       | 2,70 |
| 23.08.2025 6:00  | 5                                          | NW       | 0,25                                       | 2,10 |
| 23.08.2025 12:00 | 1                                          | NW       | 0,00                                       | 0,00 |

## Wind condition in the Bautino Bay

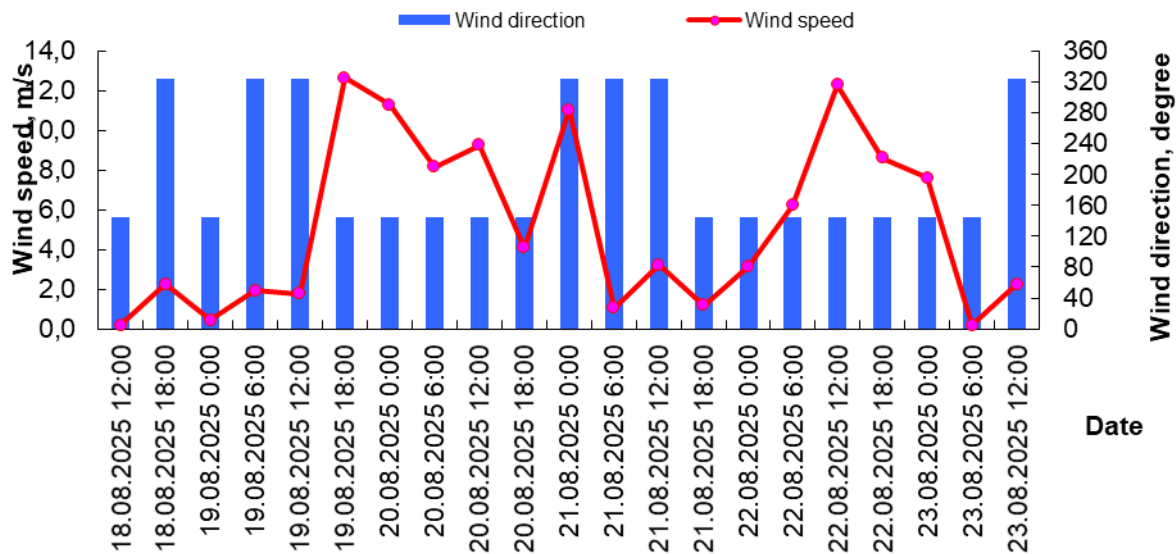


## Wave condition in the Bautino Bay

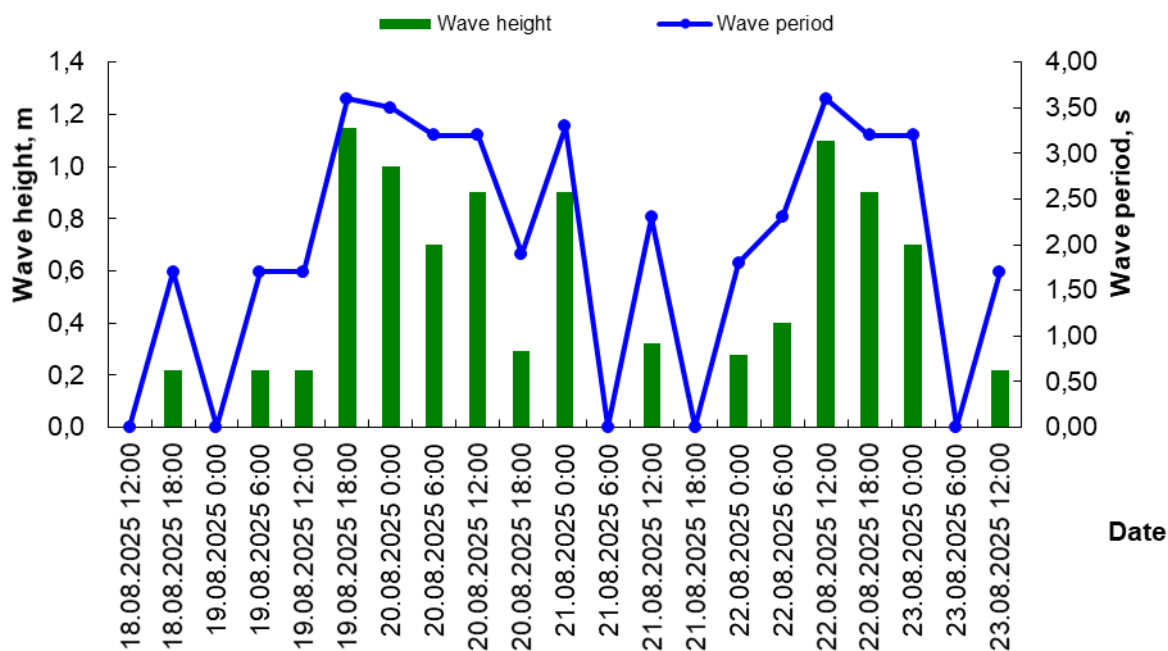


| Date Time        | Wind speed (WS) and<br>wind direction (WD) |          | Wave height (H) and wave period ( $\tau$ ) |      |
|------------------|--------------------------------------------|----------|--------------------------------------------|------|
|                  |                                            |          | H, m                                       | t, s |
|                  | WS, m/s                                    | WD, rumb |                                            |      |
| 18.08.2025 12:00 | 9                                          | NW       | 0,70                                       | 3,10 |
| 18.08.2025 18:00 | 1                                          | NW       | 0,00                                       | 0,00 |
| 19.08.2025 0:00  | 1                                          | SE       | 0,00                                       | 0,00 |
| 19.08.2025 6:00  | 2                                          | SE       | 0,20                                       | 1,80 |
| 19.08.2025 12:00 | 3                                          | SE       | 0,20                                       | 1,80 |
| 19.08.2025 18:00 | 9                                          | SE       | 0,90                                       | 3,20 |
| 20.08.2025 0:00  | 6                                          | SE       | 0,40                                       | 2,30 |
| 20.08.2025 6:00  | 10                                         | SE       | 1,00                                       | 3,50 |
| 20.08.2025 12:00 | 9                                          | SE       | 0,90                                       | 3,20 |
| 20.08.2025 18:00 | 5                                          | SE       | 0,30                                       | 2,20 |
| 21.08.2025 0:00  | 7                                          | NW       | 0,60                                       | 3,00 |
| 21.08.2025 6:00  | 8                                          | SE       | 0,70                                       | 3,00 |
| 21.08.2025 12:00 | 10                                         | SE       | 1,00                                       | 3,50 |
| 21.08.2025 18:00 | 1                                          | NW       | 0,00                                       | 0,00 |
| 22.08.2025 0:00  | 3                                          | SE       | 0,20                                       | 1,80 |
| 22.08.2025 6:00  | 5                                          | SE       | 0,30                                       | 2,20 |
| 22.08.2025 12:00 | 10                                         | SE       | 1,00                                       | 3,50 |
| 22.08.2025 18:00 | 7                                          | SE       | 0,50                                       | 2,80 |
| 23.08.2025 0:00  | 6                                          | SE       | 0,40                                       | 2,30 |
| 23.08.2025 6:00  | 9                                          | NW       | 0,70                                       | 3,10 |
| 23.08.2025 12:00 | 1                                          | NW       | 0,00                                       | 0,00 |

### Wind condition in the Kuryik Bay



### Wave condition in the Kuryik Bay



| Date Time        | Wind speed (WS) and<br>wind direction (WD) |          | Wave height (H) and wave period ( $\tau$ ) |      |
|------------------|--------------------------------------------|----------|--------------------------------------------|------|
|                  | WS, m/s                                    | WD, rumb | H, m                                       | t, s |
| 18.08.2025 12:00 | 0                                          | SE       | 0,00                                       | 0,00 |
| 18.08.2025 18:00 | 2                                          | NW       | 0,22                                       | 1,70 |
| 19.08.2025 0:00  | 0                                          | SE       | 0,00                                       | 0,00 |
| 19.08.2025 6:00  | 2                                          | NW       | 0,22                                       | 1,70 |
| 19.08.2025 12:00 | 2                                          | NW       | 0,22                                       | 1,70 |
| 19.08.2025 18:00 | 13                                         | SE       | 1,15                                       | 3,60 |
| 20.08.2025 0:00  | 11                                         | SE       | 1,00                                       | 3,50 |
| 20.08.2025 6:00  | 8                                          | SE       | 0,70                                       | 3,20 |
| 20.08.2025 12:00 | 9                                          | SE       | 0,90                                       | 3,20 |
| 20.08.2025 18:00 | 4                                          | SE       | 0,29                                       | 1,90 |
| 21.08.2025 0:00  | 11                                         | NW       | 0,90                                       | 3,30 |
| 21.08.2025 6:00  | 1                                          | NW       | 0,00                                       | 0,00 |
| 21.08.2025 12:00 | 3                                          | NW       | 0,32                                       | 2,30 |
| 21.08.2025 18:00 | 1                                          | SE       | 0,00                                       | 0,00 |
| 22.08.2025 0:00  | 3                                          | SE       | 0,28                                       | 1,80 |
| 22.08.2025 6:00  | 6                                          | SE       | 0,40                                       | 2,30 |
| 22.08.2025 12:00 | 12                                         | SE       | 1,10                                       | 3,60 |
| 22.08.2025 18:00 | 9                                          | SE       | 0,90                                       | 3,20 |
| 23.08.2025 0:00  | 8                                          | SE       | 0,70                                       | 3,20 |
| 23.08.2025 6:00  | 0                                          | SE       | 0,00                                       | 0,00 |
| 23.08.2025 12:00 | 2                                          | NW       | 0,22                                       | 1,70 |

Made by: Kurmangalieva A.K.

Checked by: Shishkina G.